

FOLIO

AAS:UA, Board reach salary agreement Reductions in pay will be balanced throughout the year

By Sandra Halme

Academic staff members have accepted the memorandum of agreement with the Board of Governors. The vote was 909 in favour and 357 opposed. Fifteen ballots were blank, for a total of 1,281.

ASS:UA Vice-President Rick Szostak was pleased with the voter turnout and even more pleased that the vote wasn't unanimously in favor of ratification. "It shows that the membership isn't entirely satisfied with the contract," he says. While admitting that the agreement was the best the Association could hope for, he says "we still fear for the future of the University." Szostak points out that U of A professors are among the lowest paid in Canada and "we could lose some of our best people."

The three-year agreement (1 July 1994 to 30 June 1997) calls for salary scales and salaries for faculty, librarians and faculty service officers to be reduced by four percent on all amounts over \$20,000 from 1993-94 levels. The agreement also covers salary scales and salaries for administrative professional offic-

ers which will be reduced from 1993-94 levels by 2.65 percent. As well, effective 1 July 1994, salaries will be reduced by the equivalent of six days' pay per year or 2.308 percent.

According to Acting President and Vice-President (Finance and Administration) Glenn Harris, "We are very pleased with the ratification vote. This agreement demonstrates how well the University community can work together to address the serious financial problems it faces." He adds that the vote "will make a significant contribution to the achievement of the University of Alberta's quality and accessibility goals."

Ed Makarenko, Chair of the Board of Governors Negotiating Committee, said that both sides were clear in what they had to do. "There was a cooperative spirit throughout the negotiations," commented Makarenko, adding that "there was extra effort given by all sides and it resulted in a good agreement."

Other clauses in the agreement are:

- the reduction in take-home pay will be spread evenly throughout the year;
- the cost to the Board for benefits will not exceed \$4,476 per staff member for the duration of the agreement;
- costs in excess or below the agreed upon benefits amount will be met by either reducing or increasing the salary scale and salaries in payment on 1 July 1995 and/or 1 July 1996;
- merit increment systems will remain in place; and
- employer and employee contributions to the University pension plan would be equalized effective 1 July 1994.

The agreement is based, in part, on the provincial government's announcement that the University's operating grant will be reduced by 11 percent in 1994-95, seven percent in 1995-96 and three percent in 1996-97. The ratified agreement includes a clause which allows either party to reopen negotiations for salaries and benefits from 1 July 1996.

UNIVERSITY OF ALBERTA
9 SEPTEMBER 1994



University of Alberta *Welcome to the U of A's 88th academic year. In this issue Folio reports on some early (and, without a doubt, ongoing) newsmakers, for example, President-elect Rod Fraser (p 5) and the Timms Centre for the Arts (p 9). Stories pertaining to teaching and research appear on p 3, 4, 6 and 7.*

NASA overwhelmingly rejects agreement

The Non-Academic Staff Association has rejected the memorandum of agreement reached by Board of Governors and NASA negotiating committees.

In balloting conducted last Wednesday, 73 percent of the membership (1,086 people) voted "no". Three hundred and ninety-three members voted "yes." Fifty-nine percent of the membership voted on the proposal that called for salary rollbacks totalling 5.385 percent in each of three consecutive years.

"We are disappointed that the NASA membership has not approved the tentative agreement reached by its negotiating committee with the Board," said Glenn Harris, Vice-President (Finance and Administration).

"This agreement was reached only after lengthy negotiations and with the assistance from a provincial mediator. We continue to believe that an agreement reached through collective bargaining is in the best interest of NASA members and the University," he said.

Harris also said that NASA and the Board have agreed to get back to the bargaining table as soon as possible "to explore what opportunities remain for a negotiated settlement."

Policy advisory group on international affairs established

By Michael Robb

A policy advisory group on international affairs (PAGIA) has been established on campus.

The group will advise the Vice-President (Academic) on existing international policies; the implementation of recommendation 23 in *Degrees of Freedom*; the implementation of recommendations one, two and three in the Draft Report of the Senate Task Force on the International Dimensions of the University; and other matters related to the University's international affairs.

PAGIA will be chaired by Brian Evans; its members will include a representative of the Vice-President (Academic), Roger Smith; the Director of the International Centre, Bruce Caldwell; and a representative of the Vice-President (Research), Bill Bridger. The secretary will be the Director of Alberta International, Wilf Allan.

Almost every Canadian university has a similar international advisory group, says Allan. This group's mandate will expire 30 June 1995. It may, however, be modified prior to that date, subject to the creation of a new structure for international affairs.

In other news, the Senate is expected to debate the Draft Report of the Task Force on the International Dimensions of the University on 23 September.



Performing official duties at the 3 September placement of a stone to inaugurate construction of the Ozawa Pavilion are, from left, Robert Rosen, Board of Governors; The Hon Anne McLellan, Minister of Natural Resources; Tatsuo Ozawa, Member of the House of Representatives, Government of Japan; Chancellor Lou Hyndman; Alderman Bruce Campbell; Toshikazu Kato, Consul-General of Japan; and Stan Woloshyn, MLA Stony Plain. The Pavilion, located at the Kurimoto Japanese Garden, will be completed next spring. It will provide for cultural exchanges between Japan and Canada, as well as promote friendship and understanding between the two countries. It will also serve as a year round site for cultural events, formal ceremonies and meetings.

Report slams privatized liquor industry

By Folio staff

After the first year, a privatized liquor industry in Alberta has delivered higher prices, less selection, less control and fewer well-paid, full-time jobs.

Those are the findings in "Out of Control", a report on the impact of privatization in its first year. Gordon Laxer and Trevor Harrison, Sociology, University of Alberta, and Dean Neu and Duncan Green, Management, University of Calgary, collaborated on the report for the Canadian Centre for Policy Alternatives. The report was released on 1 September.

The Alberta government's approach to privatizing the province's liquor industry was conceived with little thought and implemented in haste, the researchers found. The result has been largely negative, and threatens the province's social fabric.

Among its many findings, the team noted an increase in crime and fewer well-paid jobs. As of July 1994, 44 percent of

former ALCB workers surveyed were unemployed; another 24 percent were only working part-time. Those who did find jobs in the privatized industry found their paycheques cut by 25-45 percent.

Besides making liquor more available to minors and problem drinkers, the privatized system is also reducing revenues from which the government funds programs such as treatment for alcohol abuse. Sales of assets, including properties, brought in only \$40 million, not the \$66 million predicted. And the ALCB used to return more than \$400 million in net profit to government coffers. The Alberta government expects a flat tax to replace and increase this revenue, but the report cites several factors the government seems to have not considered. The only benefit seems to have been a marginal increase in convenience.

"There has been an increase in liquor sales to distributors, but it's too early to tell

if this is for stock for new stores, or if this shows an increase in consumption," said Dr Laxer. "The industry is in transition. We expect that the grocery chains or other large chains will eventually dominate." The researchers compared the Alberta experience with that of Iowa, which also privatized liquor sales. The state also found higher prices, increased crime, increased sales, and an industry dominated by grocery chains.

The report was criticized in the news media for its lack of primary research, but Dr Laxer pointed out that the budget did not allow for expensive surveys. Instead, the research team relied on profiles from the Addiction Research Foundation, ALCB annual reports, reports by the Edmonton and Calgary Police Services, Statistics Canada, news reports, and a wide selection of bibliographical sources, including those from Health and Welfare Canada.

Students' Union opens used-book store in SUB

By Michael Robb

The Students' Union is opening a used-book store. It will be located in the Students' Union Building.

SU President Suzanne Scott says "SUBtitles" will offer services students need. The bookstore will buy back texts from students and resell them. Students will also be able to bring in texts and sell them on consignment. Texts that aren't cur-

rent will be bought from students and sold to wholesalers.

The new service will also sell used CDs and cassettes, and the store is hoping that in the near future it will be able to sell University-crested clothing.

The store will give students a more efficient way of buying and selling books, explains Scott. There will always be informal ways on campus of doing that, but now students will be able to do it with fewer hassles.

Officials are confident the service will swell the SU's coffers. SU Vice-President

(Finance and Administration) Gurmeet Ahluwalia says similar services at other Canadian universities, such as the University of Waterloo, do make money. All revenue will be used to fund other SU services, adds Scott.

The used-book store, managed by Elizabeth Johnson, will employ students. The main-floor SUB facility is 1,200 square feet with space for about 10,000 books. It will be open from 8:30 to 7:30 during peak times and shorter hours during the less-busy times of the academic year.

FOLIO

Volume 32 Number 3

OFFICE OF PUBLIC AFFAIRS,
400 ATHABASCA HALL
UNIVERSITY OF ALBERTA, EDMONTON,
ALBERTA T6G 2E8

TEL: (403) 492-2325 FAX - 492-2997

PROFS - ZZOPA

All enquiries and correspondence should be directed to:
RON THOMAS: EDITOR
MICHAEL ROBB: ASSISTANT EDITOR

CONTRIBUTORS:

Judy Goldsand
Sandra Halme
Tony Myers
Janet Resta
Elsa Roehr

DESIGN: Ray Au

Public Affairs produces *Folio* on a regular basis for employees and volunteers at the University of Alberta. *Folio's* mandate is to serve as a credible news source for internal audiences by communicating accurate and timely information about issues, programs, people and events.

DEADLINES:

Notice of coming events: 9 am three weeks in advance of event. Classified advertisements: 3 pm one week before desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 40 cents per word with no discount for subsequent insertions. There is a limit of 40 words and a minimum charge of \$2.00. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission. Display advertisements: 3 pm Friday, seven days before desired publication date. Camera-ready artwork is required to size, complete with halftones if necessary. Call 492-0436 for sizes, rates and other particulars.

The editor reserves the right to limit, select, edit and position submitted copy and advertisements. Views expressed in *Folio* do not necessarily reflect University policy. *Folio* contents may be reprinted with acknowledgment.

ISSN 0015-5764 Copyright 1994



University
of
Alberta

CURRENTS



Farewell for Meg Clarke

A farewell reception in honour of Meg Clarke, Director of the Development Office, will be held Wednesday, 14 September, 3:30 to 5:30 (program at 4), in the Stollery Centre, 5th floor, Business Building. Meg has accepted the position of Executive Director of Development and President of the Simon Fraser University Foundation. Contributions toward a gift may be sent to Lori Bennett, Development Office, 4th Floor, Athabasca Hall. Please make cheque payable to "Meg Clarke's Farewell".

Canadian Federation of University Women

For information about the Canadian Federation of University Women (formerly University Women's Group), contact Hilary Hunt (membership), at 435-1398, or the president, Alberta Boytzen, at 434-8070.

Faculty badminton

The University of Alberta Faculty Badminton Club takes to the court Wednesday evenings (8:15-10:15) in the Education Gymnasium. The season runs from 14 September to 7 December and 3 January to 12 April. Fee: \$15 per year (includes birds). All faculty, research staff and spouses are invited to participate. For more information, call Tony Capri, 492-5502; Nancy Cyr, 988-5456; or Mika Madunicky, 438-7609.

Faculty Curling League

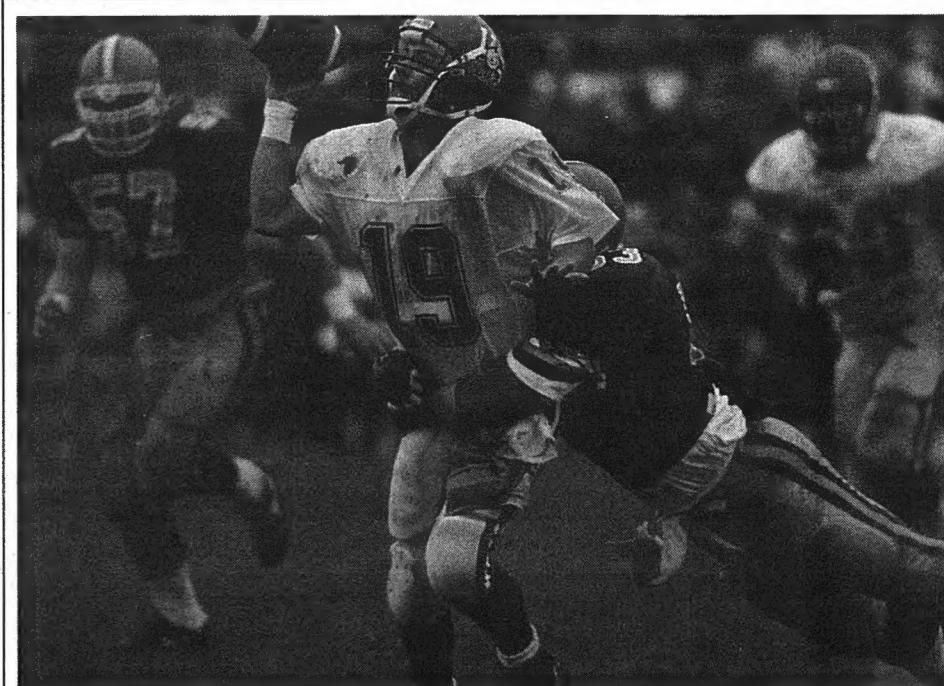
The Faculty Curling League will play Mondays and/or Thursdays at 5 pm at the Jasper Place Curling Club. Mixed team and individual registrations welcome. Open to all interested curlers. Contact: Jackie, 492-2798.

Linguistics plans reunion

A reunion and conference has been planned by the Department of Linguistics for 28-30 October, to celebrate its 25 years as an independent department. Twenty-seven former students are scheduled to speak, 15 of whom will present technical research papers in an academic session, while the remaining 12 will report in a professional session on the value of linguistics training to their careers in other fields. An opening reception and banquet are also scheduled. For information about registration, contact Bruce Derwing or Grace Wiebe in the Department of Linguistics (492-5698 or -3480; fax -0806) or by e-mail (blde@nova.ling.ualberta.ca or gwiebe@nova.ling.ualberta.ca).

Concert Choir selling Entertainment Books

Members of the U of A Concert Choir are selling Entertainment Books again this year. The cost is \$40.66 (including GST) and cheques can be made payable to Concert Choir. To order, call ensemble director Debra Cairns at 492-2384 or 492-3263.



GOING DOWN!

Fifth-year Golden Bear tackle Steve Dallison adds to his total of unassisted tackles. Early predictions are for an All-Canadian season for Dallison. The Golden Bears' home opener goes tomorrow afternoon (10 September) at 1:30 at Clarke Stadium. The opposition is the UBC Thunderbirds.

FOLIO WELCOMES YOUR WORDS AND IDEAS

It's a large and diverse campus ranging, as the Telecommunications Directory shows, from AAS:UA to Zoology (now part of the new Department of Biological Sciences).

Folio's tall order—to report on newsworthy events in the As and Zs and all points between—could be shortened via

steady submissions of stories and story ideas by faculty, staff, and students.

If you're wondering whether a particular story idea would be of interest to *Folio* readers, run it by us by calling 492-0441/0440.

Folio also welcomes and encourages letters (signed, of course, and not more than

300 words in length) on topics of interest to the University of Alberta and postsecondary education in general. We can't promise that all letters will be published, but each will be reviewed and the writers contacted with respect to *Folio's* plans for their submissions.

Wilson years marked by research excellence

Dean of Medicine completes 10-year term

By Judy Goldsand

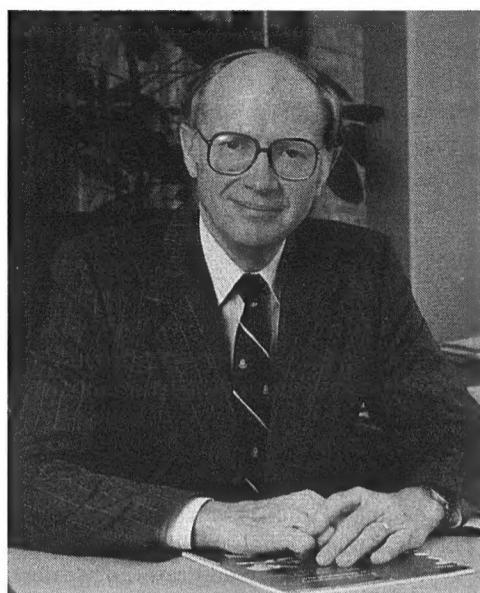


Photo Services

strong research groups were working in several areas including cardiovascular disease, lipid and cholesterol metabolism, neurosciences, and medical microbiology and infectious diseases. New areas of research were integrated, such as the incorporation of cell biology with anatomy.

Peter Mitchell, Chair of Obstetrics and Gynecology, applauds Doug Wilson for encouraging links between clinical and basic science departments. Giving clinical trainees first-hand experience in scientific projects was an important factor in many career decisions, says Dr Mitchell.

Dean Wilson has succeeded in building a medical faculty that is well respected nationally and internationally. Under his leadership, research productivity has escalated tremendously, with funding for research increasing from \$18.6 million in 1983 to \$43.8 million in 1993.

During the same 10 years, the Faculty's graduate student enrollment in research areas increased from 143 to 254. Bill McBlain, the Faculty's Assistant Dean for Research, attributes this to the Dean's strong support for the graduate student program. "He understands the impact graduate students have on Faculty productivity."

During the 10 years of Dr Wilson's leadership, the number of faculty members has grown from 250 to 350, with most new recruits supported by research awards. New chairs were needed for nine departments. Besides excellent academic credentials, Dean Wilson said he looked for people willing to work with others in a collaborative way. The Dean attributes the Faculty's progress to the people in it. "It's the motivation and skills of the people here that have made us successful."

On the teaching side, the early '80s saw "almost a revolution in medical education," said Dr Wilson. Medical educators recognized that a lecture-intensive format was not the way to excite students. Dean Wilson's tenure has seen a big increase in small group teaching and much more self-directed study. All students now gain experience in newer areas of medicine such as geriatrics and rural practice. We have put some effort into teaching communication and relationship skills, says the Dean, since physicians now have to work as a team with their patients as well as with other professionals.

"They should erect a statue to Doug for his role in strengthening research on this campus," says Bill Bridger, Associate Vice-President (Research), who formerly chaired the Department of Biochemistry. He was referring to Douglas Wilson, Dean of Medicine, who leaves the position at the end of September after 10 years of service.

Dean Wilson's colleagues who spoke to *Folio* praised his role in the advancement of research excellence in the Faculty. It is an achievement that gives the Dean much pleasure. "Seeing the Faculty's research gain national recognition based on real accomplishments is a source of great pride," he acknowledges.

Dean Wilson says he came to Edmonton at the right time. In 1984, when he arrived from the University of Toronto where he had been coordinator of nephrology, the Alberta Heritage Foundation for Medical Research had just approved construction of a research centre on the U of A campus. "The challenge, and the fun, was to try to get traditionally established departments with research programs working together in an interdisciplinary way." The opportunity to play a role in developing first-class facilities and recruiting talented people was one he couldn't refuse.

By 1988, the Heritage Medical Research Building was more than half open and

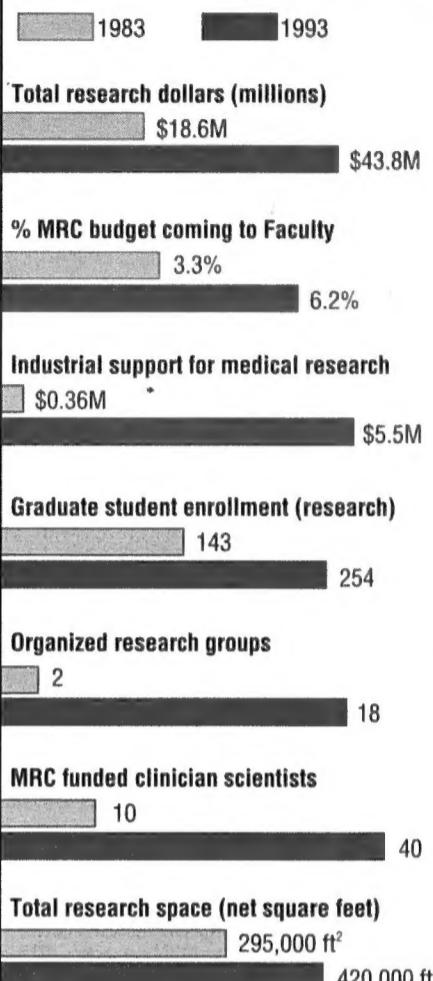
The goal of broadening the Faculty's involvement with other health disciplines on campus is well under way. About half of the Faculty's teaching now involves students from programs in Dentistry, Nursing, Pharmacy and Pharmaceutical Sciences, Physical Education, and Rehabilitation Medicine. Students from all health disciplines meet to study common concerns, such as ethics. Dean Wilson is pleased that the Medical Faculty is viewed now as more of a partner in University initiatives, rather than "some poorly understood entity on the other side of campus."

The Dean is proud of several new programs initiated during his term. The Aboriginal Students Program, established in 1988, has 11 students from across Canada. Several international projects offer students opportunities for summer work in developing countries. The Faculty has played a leading role in setting up OSVITA, an exchange program with Ukraine, to help develop medical skills in pediatrics and obstetrics.

The establishment of well-being committees for staff and students reflects the Dean's concern for people. "In Medicine we are expected to be sensitive to and experts in caring. That should affect our relationships with our students, and our faculty should try to set an example for the rest of the campus."

Looking to the future, Dean Wilson expressed some concern about the impact of funding cuts on the Faculty and the profession. Although he understands the need for the Government of Alberta to balance its budget, the Dean says the severity of cuts in both health care and advanced education sectors make change to the Faculty inevitable. Many support staff and some academic positions have been lost. Enrollment was cut from 120 to 104, and medical students have less freedom to choose their fields of specialty. The government has instituted regulations that affect the medical school. This year, some provinces established barriers to limit the movement of physicians. In the Dean's opinion, physicians should be a national resource and he hopes that, as health reform progresses, there will be less need for external regulation and provincial barriers. There are many challenges on the horizon, says the Dean, but he is confident

The Wilson Years – at a glance



Figures courtesy of Mark Poznansky

that the high standards of the medical school can be maintained. His advice to his successor is to keep a broad vision for the Faculty. "The school relates integrally to the rest of the University and to the health care system and has much to contribute to the improvement of health generally."

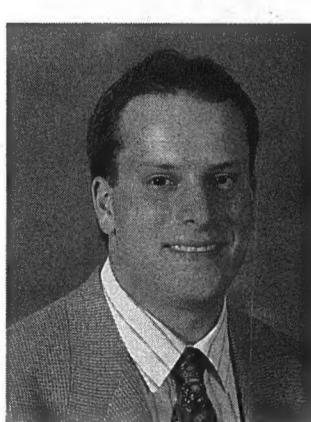
Former Associate Dean for Research, Mark Poznansky, who now heads the Robarts Research Institute in London, Ontario, says Dean Wilson brought the Faculty of Medicine a long way in 10 years. "He brought a new *raison d'être* and established the Faculty of Medicine as a major force in academic medicine in Canada."

Dean Wilson gives much credit for the school's reputation to the medical staff that is supported jointly by the teaching hospitals and the University. "They are a tremendous resource to the medical school and the entire region. It will be very important to work out a new arrangement for medical staff support with the new Capital Health Authority."

Dean Wilson plans to take a year of administrative leave that will include study in the areas of health research and health education.

Farewell to the Dean of Medicine

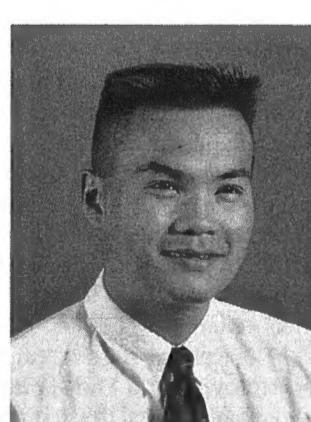
Douglas Wilson will be honoured for 10 years of service as Dean of the Faculty of Medicine at a dinner Friday, 23 September. In addition, the entire campus community is invited to attend a farewell reception for him on Tuesday, 27 September, 3-5 pm in Bernard Snell Hall Foyer. For further information, call Don Whidden, APO in the Faculty, at 492-6625.



Jason Cooke



Elke Aippersbach



Lau Nguyen

The Dean's Gold Medal in Science was awarded to Lau Kim Nguyen as the graduating student from the general program who has shown the highest distinction in

scholarship for the Class of '94. Nguyen will be entering the MD program at this University in the fall.

Professor wants to expand markets for wood

Roger Cheng sees opportunities for use in low-rise, nonresidential buildings

By Michael Robb

Wood is for houses. Steel and concrete are for commercial and industrial buildings. Right? Well, by and large, that's true, but a Civil Engineering Professor wants to develop a metal joint system, so wood could be a structural and economic alternative in commercial and industrial buildings.

"Our major objective with our research is to develop a very efficient wood structural system that can be used for nonresidential construction," says Roger Cheng. "We'd like to find a new market for wood products in the nonresidential market—particularly in low-rise buildings."

Low-rise buildings require major framing systems and if wood is to be used, composite wood products must be used rather than conventional lumber. This material, an amalgam of glue and small pieces of wood or wood chips heated and pressed together,

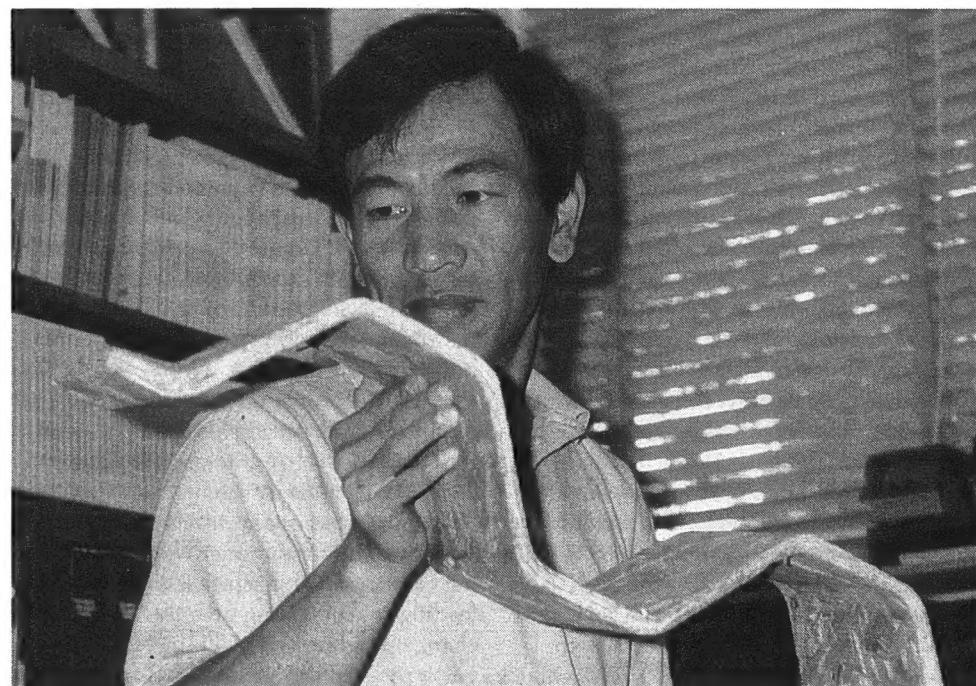
"... if we can make the design very reliable and efficient, then wood can compete with any other construction product."

is, in fact, stronger and more reliable than traditional one-piece lumber.

"In order to be competitive with other types of construction materials such as concrete or steel, we need to develop reliable connections which are easy to construct—and of course economical," Dr Cheng says.

He believes this is the first research of its kind to be done in Canada.

The benefits for the Alberta forest products industry are obvious. It wants to expand its markets for engineered wood



Roger Cheng (Civil Engineering) with engineered wood products, which are increasingly being used in construction.

products. Dr Cheng's work will also be submitted to the Canadian Standards Association. He's hopeful the new connection design will be understood and soon be widely accepted by the construction industry.

House builders are also building more houses with open beam designs—another potential market for Dr Cheng's new connection system.

"Right now engineers either use very conservative wood designs or very expensive connection types—which is the reason wood loses the competitive edge to concrete and steel," he explains. "But if we can make

the design very reliable and efficient, then wood can compete with any other construction product."

Dr Cheng's work is funded by the Canada-Alberta Partnership Agreement in Forestry; the Forest Industry Development Branch of the provincial Department of Economic Development and Tourism; and, seven forestry companies. The research began last year and is one of three ongoing studies at the University sponsored by the research and technology development sub-program of the Canadian Forest Service. Dr Cheng is also working closely with the Alberta Research Council.

For girders sake!

Civil engineer seeks to strengthen aging bridges

By Michael Robb

About half of Alberta's 14,000 bridges were built before 1960. Since that time, traffic volumes have increased, trucks—which determine design loads for bridges—have almost doubled in size, and construction standards have been tightened.

Some of the province's bridges—many built to last only 30 years—no longer meet those tougher standards and are showing signs of fatigue. As most motorists in the province know, Alberta Transportation has been repairing, upgrading and, in some cases, replacing bridges.

But it's an expensive proposition, and Alberta Transportation has turned to Civil Engineering Professor Roger Cheng to determine whether advanced composite materials can be used to strengthen weakened bridges at a lower cost. Several different repair techniques, using steel members, have been used, but sometimes the cost has been almost as expensive as replacing the bridge.

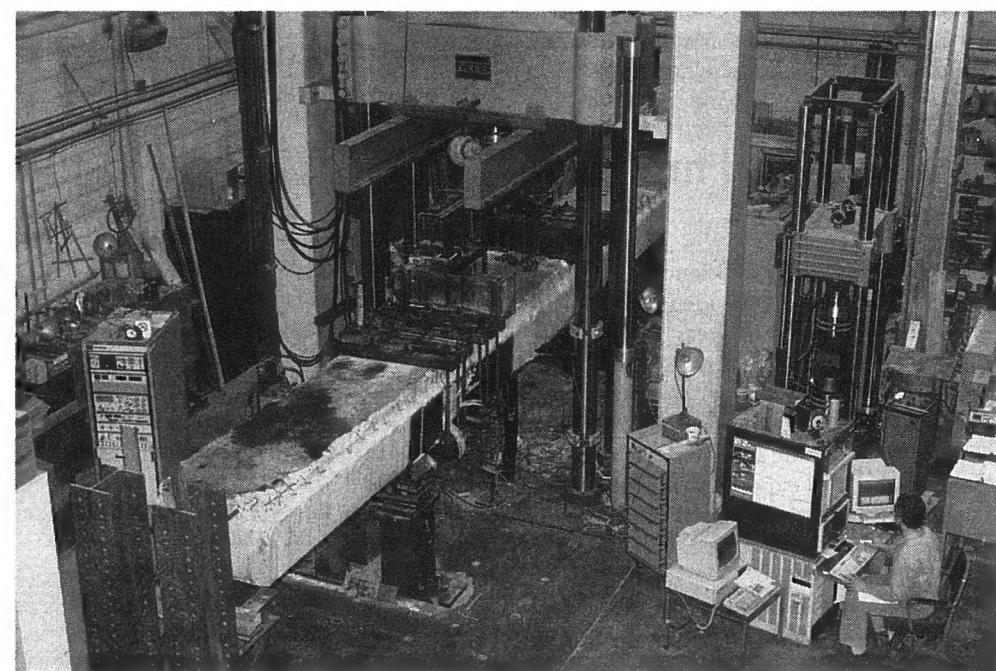
"We know we don't have the money to replace 7,000 bridges," Dr Cheng says. "All of North America is sitting on a time bomb. We can replace them one at a time and hope that we reach them all before they collapse."

Dr Cheng believes carbon fibre-reinforced plastic sheets, lightweight and less than one millimetre thick, may be a less-expensive alternative. "Bonded to the concrete, they add virtually no weight or depth to the existing structure," he says, and can be used to externally strengthen existing concrete bridge girders. They're also noncorrosive, another big advantage over steel.

The sheets are glued to the girders much the same as wallpaper is applied to walls, so labour costs are low, he explains.

Mitsubishi Canada is supplying material for the tests. As one of the few suppliers of the material in this country, it has a stake in determining whether Dr Cheng's work will eventually lead to new markets for their material.

The testing program, funded and supported by Alberta Transportation, involves two major phases, the first using 12-metre-long, small-scale concrete beams. In the second phase, Dr Cheng salvaged three 30-foot-long, pre-cast concrete girders from a bridge demolished last summer. In both laboratory tests, the researcher proved that concrete beams can be strengthened with advanced composite materials.



Testing bridge girders in lab

One big unanswered question remains: Can the material perform in the heart of winter? Dr Cheng wants to answer that question by moving the research outdoors.

Trio of professors elected to Royal Society

By Folio staff

Three professors from the University of Alberta were recently elected to the Royal Society of Canada. The new Fellows of the Academy of Humanities and Social Sciences are: Susan McDaniel (Sociology), Derek Sayer (Sociology) and Gordon Moyles (English).

Dr Moyles' citation read: "A broadly humanistic scholar, he has written prolifically and trenchantly on Canadian history, law and culture. He is also in the front rank of textual scholars, applying his expertise not only to the textual history, emendation and editing of John Milton's *Paradise Lost* but to the major scholarly edition of the poems of E.J. Pratt. In addition, he has done ground-breaking bibliographical research in Canadian literature and history."

Dr Sayer's citation read: "His work spans two fields, social theory and historical sociology. The quality of his contributions to both have been recognized internationally across a variety of disciplines."

Also elected from the Sociology Department was Dr McDaniel whose citation stated: "She has helped transform Sociology in Canada. She has devoted her considerable scholarly energies to rethinking, reconceptualizing and realigning the ways in which social structural constraints impinge on human social life most intimately ... Her most important contribution, however, lies in her passionate, and yet sharply analytical frameworks, frameworks which are generating new research hypotheses."

Dr McDaniel has also been appointed by the Honourable Sheila Finestone, Minister Responsible for the Status of Women, to the Expert Advisory Task Force on Women and Social Security.

He'll be using the material to strengthen bridges still in service to determine whether the material can perform under real-life conditions.

ALL IN THE FAMILY

President-elect Rod Fraser and his wife, Judith, are both U of A graduates with strong family ties to the University of Alberta.

Dr Fraser, who earned a BA degree from the University of Alberta at Calgary in 1961 and then came to the Edmonton campus to obtain a master's degree in economics, is a second-generation U of A graduate. His father, **Roy Fraser, '42 BA, '48 BEd**, also holds two degrees from the University, both earned largely through summer-school studies.

The President-elect's mother, a retired school teacher, also has ties to the University. She is a graduate (1928-29) of the Edmonton Normal School, which was located on the edge of campus in the building now serving the University under the name Corbett Hall. And her brother, **W Norman MacNaughton, '41 BSc(Ag), '48 MSc**, who is now retired and living in Saskatoon, is a U of A alumnus.

Dr Fraser's parents, who spent some years in Victoria following their retirement, have recently returned to Calgary. There they are close to their eldest daughter, **Anne Hamman (Fraser), '75 BEd, '84 MEd**, also a school teacher.

The President-elect's two other sisters - he has no brothers - are also U of A grads. His sister **Judith Marshall (Fraser), '66 Dip(Nu), '67 BSc(Nu)**, lives in Portland, Oregon, where she is a pediatric nurse-practitioner. Another sister, **Claire Vukadinovic (Fraser), '65 BA, '67 MA, '86 PhD**, is an associate professor of French at Concordia College, Edmonton.

Not long after he arrived on the Edmonton campus, Rod Fraser met Judith Lewis of Grande Prairie, Alberta, and they were married after their graduation in 1963.

Judith, who received her BA at Alberta, later earned a master's degree in library science at Rutgers University in New Jersey, and is a professional librarian at Queen's, most recently serving in the Education Library. When she came to the University of Alberta, she was following in the footsteps of her uncle, the late **Norman Lewis, '25 BSc, '38 MSc**, and her brother **Robert Lewis, '62 BCom, '69 LLB**, who practises law in Grande Prairie. Another U of A graduate in Judith's family is her brother **Bill Lewis, '72 BCom**, who lives in Kelowna and is a partner in a real estate firm in nearby Vernon.

A biographical sketch of our new President

Rod Fraser has extensive connections with the U of A and the province

By Rick Pilger

A native Albertan, Roderick Douglas Fraser is the first second-generation U of A graduate to become President of this University. His father, Roy Fraser, '42 BA, '48 BEd, holds two degrees from the University, and his wife, Judith Fraser (Lewis), '63 BA, and several other close relatives are also U of A alumni.

Dr Fraser, a professor of economics, has been a faculty member at Queen's University in Kingston, Ontario since 1965. Since 1988 he has served as that university's vice-principal (resources). His selection to the U of A's top administrative post was announced on 28 June 1994 by the University's Board of Governors Chair John Ferguson.

Dr Fraser was born in Vegreville, Alberta on 23 July 1940, but the location of his birth was almost accidental. He spent his earliest years in Edmonton; later lived four years in Provost, Alberta, where his father was the high school principal; and completed most of his schooling in Calgary, where his family moved in 1950, his father accepting a position with the public school board in that city.

There is, however, another locale that figures prominently in Fraser's childhood memories. A 20-minute drive to the east of Vegreville, near the village of Ranfurly, is located the farm which belonged to Fraser's maternal grandparents - MacNaughton was their name. Here he spent his childhood summers, enjoying the rural routines and adventures such as a walk to town along the railroad tracks, or a swim in the slough which lay behind the old farmstead.

"There seemed to evolve a family practice of my mother going back to her family farm in the summertime," recalls Dr Fraser, whose father spent this time either at summer school or earning extra money marking departmental examinations.

In the summer of 1940, Fraser's father was in Edmonton enrolled in a summer school course at the U of A. His mother and sister were at the MacNaughton farm, and when his own arrival was imminent his mother was taken to the hospital in Vegreville, where he was born.

Eighteen years later Fraser himself entered university. He enrolled in an arts program at the University of Alberta at Calgary with the intention of pursuing a career in law. He had also seriously considered becoming an engineer.

At the end of his second year, he was asked to be the University of Alberta at Calgary representative to the World University Services of Canada Summer Seminar Program - a pivotal event in his life. The program had been established after the Second World War and the annual seminars had at first been held in a variety of European countries to help universities re-establish in that part of the world.

"By the time 1960 came along, the country of choice was Israel," recalls Fraser. "It was a superb program."

Not only did the seminar experience expand his interests and outlook, it indirectly changed his career course. "There was a kind of obligation to return to the campus that had sent you," says Fraser, who might otherwise have left Calgary for law school or other studies elsewhere.

In his second year at UAC, Fraser had particularly enjoyed a second-year economics course in price theory taught by Dr

Frank Anton. When he remained in Calgary to complete his third year, the seed of interest planted by that course grew, and following his graduation in 1961 he headed north to the U of A main campus to do a master's in economics.

Although he graduated in 1963 with marks that earned him admission to the London School of Economics and a Canada Council fellowship to support his studies there, Fraser didn't give his entire attention to academic pursuits during the two years he spent working on his master's degree. Shortly after he arrived on the Edmonton campus he met Judith Lewis, a second-year history student from Grande Prairie, Alberta. They were wed in the summer following their graduation and are the parents of two children, Margo, a supply teacher in Whistler, B.C., and Rob, a student at Laval University.

Fraser was encouraged to apply for admission to the London School of Economics by one of his U of A professors, Dr David Winch, himself an LSE graduate. It's a decision about which the President-elect has no regrets. Fraser found the two years he spent in London to be a "superb experience." He embraced the cultural life of the "enormously vibrant" city, and at the School of Economics was stimulated by the clash of differing schools of thought. "The left-of-centre groups were still well represented at

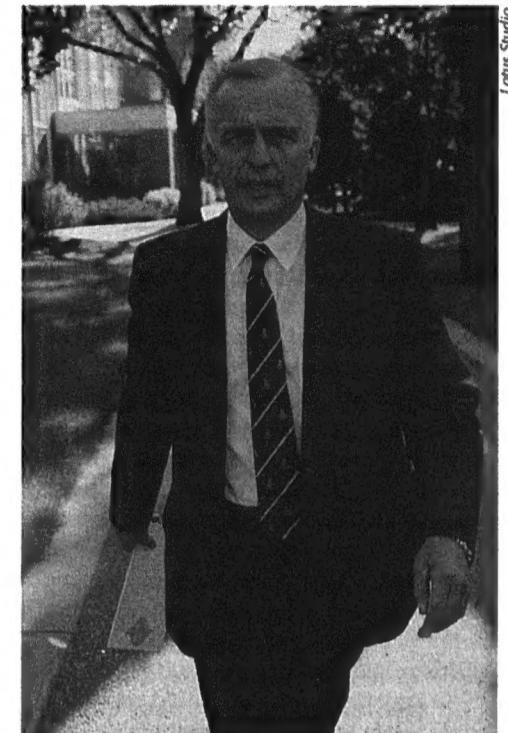
Despite his extensive involvement in university administration in recent years, he has contributed his expertise to a variety of committees, task forces and commissions related to questions of public policy in health care.

the School at that time. At the same time there were clearly people who represented a very conservative, 'treasury board' point of view," Fraser recalls.

Fraser went directly into LSE's PhD program. In his thesis dissertation, he chose to look at health-care systems in 15 well-developed countries to learn whether the existence of a national health service was important in improving the health status of the individual. No clear trend emerged, but there was some evidence to show that well-funded public health services emphasizing preventive health measures related positively to the health status of individual citizens.

Fraser's interest in health care economics was awakened during his MA days at Alberta. At the same time that he was entering graduate school, the Province of Saskatchewan was introducing its controversial medicare program. The move generated fierce levels of debate and Saskatchewan doctors went on strike in protest. "The papers were filled with the pros and cons of a government medical-care program," recalls Fraser. "It seemed to me that there was a framework of analysis that economics provided that might be helpful in sorting through what kind of health insurance program might be good - how you best set up incentives and disincentives and so on."

That theme and variations upon it have been central to Fraser's academic career.



President-elect Rod Fraser

Despite his extensive involvement in university administration in recent years, he has contributed his expertise to a variety of committees, task forces and commissions related to questions of public policy in health care. In 1984 and 1985 he was director of research for the national Commission of Inquiry on the Pharmaceutical Industry. Two years later, he agreed to chair the economics and epidemiology subcommittee for the Royal Society of Canada Study on AIDS. He later served four years as a member of the National Advisory Committee on AIDS.

The U of A President-elect began his career in university administration by serving as acting head of the Department of Economics at Queen's in 1977-78. In 1979, having returned to Queen's following a year's research leave at Princeton University, he began a five-year term as associate dean of the Faculty of Arts and Sciences. In 1983 he took over as dean of that faculty.

As dean of Arts and Sciences, Fraser led an extremely diverse faculty, encompassing more than two dozen different disciplines. These ranged from the natural and social sciences to the humanities and fine arts; there was even a school of physical and health education situated within the faculty.

From the dean's office, Fraser moved to Queen's central administration in 1988 as vice-principal (resources). In that position he was the university's chief financial architect, and he is credited by many at Queen's as being the individual most responsible for maintaining that university's solid financial health during turbulent economic times.

As vice-principal (resources) Fraser has a diverse portfolio that encompasses not only the actual fiscal management of the university but responsibility for working with the principal and deans to establish basic budget and staffing strategies for the individual faculties. He has also had responsibility for fundraising strategy and government relations. In recent years he has coordinated successful efforts to acquire for Queen's the provincial capital funding for a \$42-million library project and a \$50-million biotechnology complex with a fully-integrated technology transfer centre. He also played a key role in mounting a highly-successful fundraising campaign.

CaPS offering job search seminars

Career and Placement Services is offering workshops for alumni.

A workshop on how to write effective résumés and cover letters will be held 15 September, 8:30 am to noon, and 21 September, 5:30 to 9 pm.

A workshop on job search strategies for the 1990s will be held 15 September, 1 to 2:30 pm, and 22 September, 5:30 to 7 pm.

A workshop on interview skills will be conducted 15 September, 3 to 5:30 pm, and 22 September, 7:30 to 9 pm.

To register, contact Alumni Affairs at 492-4523.

A teaching junket?

By Mick Price (Animal Science)

As a member of the Agriculture, Forestry, and Home Economics FSPC, now called Faculty Evaluation Committee (FEC), I have been concerned that good teaching is not as well rewarded as good research and, perhaps more importantly, that it does not appear to be as well rewarded. In his *Commission of Inquiry on Canadian University Education* report, Stuart Smith suggested that in order to foster the improvement of teaching and learning, universities should increase the rewards for good teaching.

The first initiative in *Degrees of Freedom: A Strategic Plan for the University of Alberta to the Year 2005* called for evaluation of teaching and programs. Subsequently, GFC adopted a mandatory system to evaluate certain aspects of teaching at our University. The GFC policy is a move in the right direction, but if it's going to be successful, it will have to be adopted enthusiastically by instructors. In fact, it's probably in danger of being viewed as just another way to punish the 50 percent of people who are (by definition) below-average teachers.

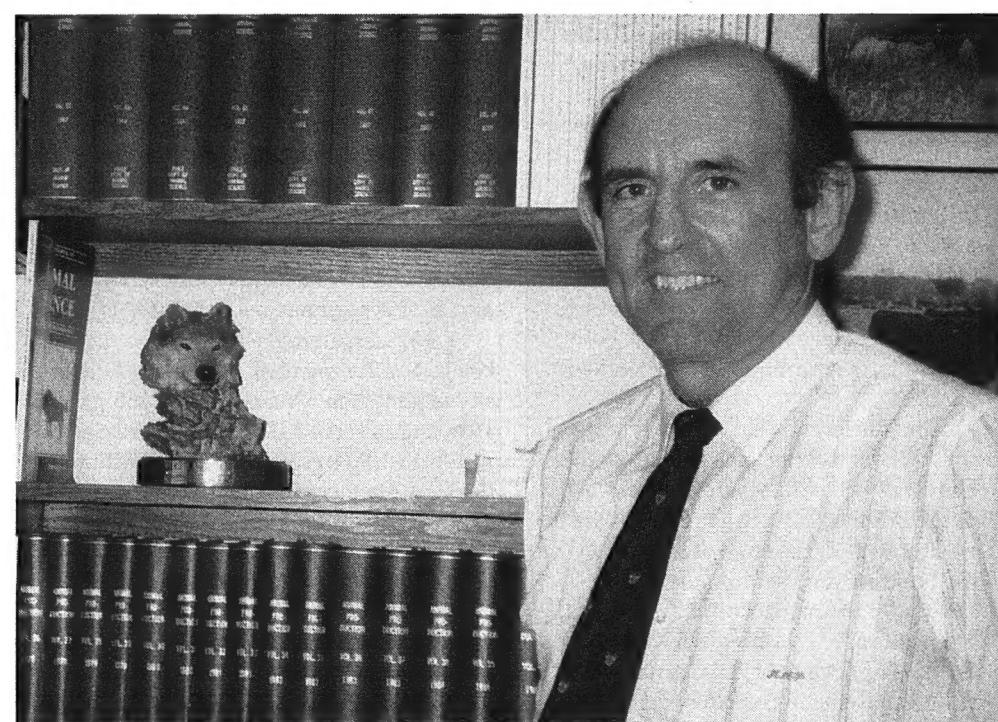
So I pondered how we could capture what I assumed to be the spirit of GFC's mandate: namely to recognize and reward good teaching, and to diagnose and help correct poor teaching. The usual way of doing this in our overburdened system is to strike a committee to look into it. This approach is doomed to fail because committee members rarely find more than an hour or two at a time to give the task their undivided attention.

Recognizing these realities, I applied for and was awarded a Hocking Scholarship, to be used for the improvement of teaching

and learning in the Faculty of Agriculture, Forestry, and Home Economics. I thought I could use it to lure some of our more dedicated teachers into donating a week or so of their valuable time to contemplate how we could recognize and reward successful university teaching.

The lure was an all-expenses-paid trip to attend the 1994 Conference of the Society for Teaching and Learning in Higher Education (STLHE) held in Vancouver. The small print in my invitation said that there would be little free time, no frills, and that a solid effort would be expected from all participants. The bait proved successful and eight colleagues joined me to form a "travelling workshop". They were: Frank Aherne (Animal Science), Peter Blenis (Plant Science), Wally Dixon (Animal Science), Jane King (Plant Science), Jerry Leonard (Forest Science), Mike Stiles (Food Science and Nutrition), Paul Woodard (Forest Science) and Francis Yeh (Forest Science). Our task was to prepare a set of recommendations to improve the recognition and reward of teaching success by FEC, to be submitted to the Chair of FEC and then to Faculty Council.

We first met Monday, 13 June, in the Stollery Centre. With the help of our honorary fellow traveller, Bente Roed (Director of University Teaching Services), we began to define the task and review the Vancouver program. After two days of work here, we travelled to Vancouver and moved into the University of British Columbia's Gage Hall. We converted a kitchenette into a seminar room (i.e., we stocked the fridge), and held seminars there late every night, inviting other conference-goers to participate.



Mick Price, with the teaching award he received earlier this year from the Agriculture Club. (This was the third time the students' club honoured him for outstanding teaching.)

We reviewed the conference program (there were many concurrent sessions) and identified papers that appeared to be relevant to our task (particularly the identification and evaluation of teaching success). We then designated two or three people to attend each talk and report back to the group. We used the information to develop our report, which we continuously modified on a lap-top computer.

By the time the conference ended on Saturday, we had completed a rough draft of our report. We printed nine copies and spent the rest of the day closeted in a room, editing. The final draft of the document was

put together Sunday morning and we travelled back to Edmonton that afternoon.

Participants agreed that this was an excellent way to create time to concentrate on a specific task. The group felt that STLHE '94 was an excellent venue for our workshop because it provided an atmosphere of interest in successful pedagogy, and brought together so many people concerned with good teaching and willing to devote time to discuss and analyze it. We recommend this travelling workshop process to others – but first, like us, you must find a small pot of gold!

Arts presents teaching awards

By Folio staff



Margaret Van de Pitte presents Arts Faculty Teaching Awards to Brenda Dalen, wife of the late Christopher Lewis, and William Meloff.



Photo Services

This year's recipients of the Arts Faculty Teaching Awards for academic staff are Christopher Lewis (Music, posthumously) and William Meloff (Sociology).

Graduate Student Teaching Awards have been bestowed upon Kathryn Carter (English), Margaret Drummond (Classics), Harold Jansen (Political Science) and Stewart Sutley (Political Science).

And Sessional Teaching Awards have gone to Marianne Lindvall (Germanic Languages) and Keely McKibben (Economics).

In her comments preceding the presentation of the awards, Margaret Van de Pitte, then Acting Dean of Arts, said that Professor Meloff has demonstrated that being in a class of 300 or 400 need not be an alienating, or at least an unstimulating, experience. "He frequently teaches over 1,000 students a year, from introductory Sociology to sen-

ior seminars, and receives excellent ratings consistently from year to year and at all levels.

"He is so committed to making large classes work that he has invested in his own portable sound system so that he can communicate clearly and effectively."

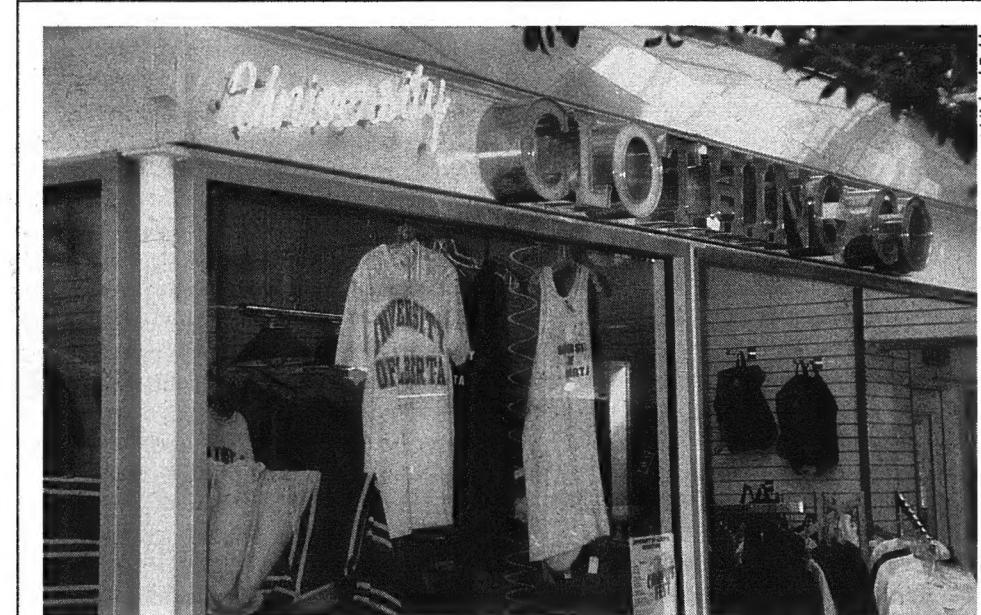
Of the late Professor Lewis (he died in an automobile accident in September 1992), Dr Van de Pitte said his gift was to be able to make students both understand the subject of theory and share his enthusiasm for it. "The premature loss of Christopher Lewis is felt by us all. But the eloquent testimony of his students and colleagues should make us grateful for the time he spent among us, and for the ways in which he enriched the experience of those with whom he came in contact."

IN CASE YOU MISSED IT ...

The 24 June issue of *Folio* contained an insert called *Opening Doors: An Update*. The basis of the four-page insert is the changes to the U of A's workforce between the October 1991 employment equity census and the January 1994 ap-

proval by the Board of Governors of *Opening Doors: A Plan for Employment Equity at the University of Alberta*.

Copies of the insert are available from the Office of Human Rights, 252 Athabasca Hall, 492-7325.



The University Clothing Company is open for business. Located in the south end of HUB Mall next to the LRT connection, the Clothing Company carries University-crested clothing and accessories. Bookstore Director Jim Malone says the location is ideal for displaying the University's green and gold colours in HUB. The 400-square-foot store is the Bookstore's fourth location. The other three are located in SUB, University Extension Centre and Mackenzie Health Sciences Centre.

Rendering toxic organics harmless

Killam Annual Professor finds catalysts a more affordable way of dealing with industry's problems

By Michael Robb

Industry across this continent is being forced to adhere to ever-more stringent environmental regulation.

In the absence of appropriate technology, however, governments aren't going to shut down whole sectors of the economy, explains Chemical Engineering Professor Karl Chuang. But industry is increasingly turning to chemical engineers to develop affordable treatment processes to adhere to those stringent regulations.

"When pollutants are so dilute, it doesn't make sense to try to recover or reuse them," says Dr Chuang, one of this year's eight Killam Annual Professors. "So that's why waste treatment is the last defence for our environment. And as your country becomes more affluent, you tend to pay more attention to pollution."

Backed by Asani Technologies, Praxair, the Institute for Chemical Science and Technology, and the Natural Sciences and Engineering Research Council, Dr Chuang and a team of graduate students, postdoctoral fellows and research associates are experimenting with catalysts to render toxic organics harmless. Catalysts are substances added to reaction mixtures in order to speed up the processes.

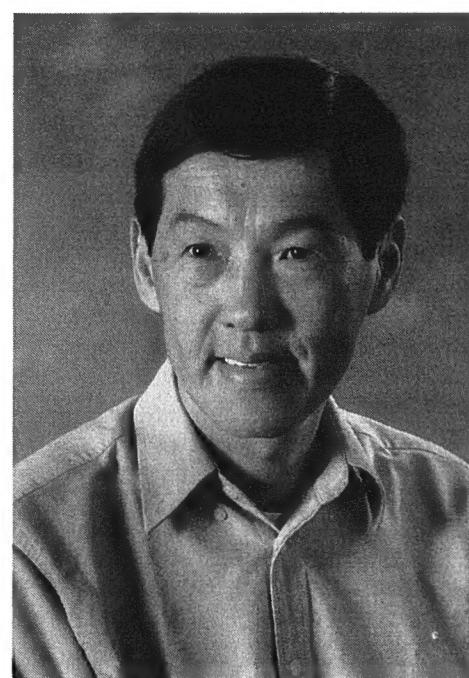
The basic chemistry of catalysts has been well known for a long time. But how those processes work in particular applica-

tions is not well known. For example, airports have had to store de-icing fluids, which contain ethylene glycol, in holding ponds, typically, for about 20 days, where they are rendered harmless with biological treatments into carbon dioxide and water. However, one of Dr Chuang's PhD students has discovered that a significant amount of ethylene glycol can be converted with 25 minutes of contact time with a catalyst at 100 degrees Celsius. That saves money.

"It's a chemical method of treating the waste," Dr Chuang says, pointing out that it is fundamental research, yet could lead to an applied process that would make life a little easier for airport authorities. In fact, Dr Chuang has several patented processes under various stages of development.

The former employee of Atomic Energy Canada is also making life easier for industry in another research area. The expert in distillation processes is engaged in developing smaller and, therefore, cheaper, distillation equipment—commonly used in the chemical, petrochemical and pharmaceutical industries. That work is being backed by the engineering products division of UOP, and Glitsch Inc. Both are major American companies that sell distillation equipment.

Dr Chuang says the distillation equipment around the world is semi-mature technology, more than 70 years old, but there is



Karl Chuang, Professor of Chemical Engineering and 1994-95 Killam Annual Professor.

a potentially huge market for smaller and more efficient distillation systems. And since distillation is an energy-intensive process, consuming the equivalent of three million barrels of oil per day in the US, the companies are anxious to adopt technology that will lower their energy costs.

Peer Consultation Program has a number of new faces

By Michael Robb

There's no shortage of professors this year who have agreed to serve as peer consultants for University Teaching Services.

In fact, the program has had a number of professors who are new to the peer consultation program volunteer to provide collaborative assistance to instructors on campus who request the service. UTS Education Director Bente Roed says that's really encouraging.

The campus benefits, she says, pointing out that not only do professors who request the service explore ways they might improve their teaching, the peer consultants also become better teachers. "These peer consultants are apt to go back to their de-

The program allows faculty members to be exposed to fresh perspectives on teaching and to learn from one another.

partments and Faculties and talk about what they've learned and about the benefits of the program."

Peer consultants gather information about the professors' teaching from students, listen to professors' concerns about their teaching and make suggestions for improving professors' teaching. Typically, a peer consultant will provide the professor who has requested the service with a confidential written report at the end of the process.

The program has two types of clients: good professors who want to get better and professors who have been asked to improve their teaching or are responding to poor student teaching evaluations. One professor used the service about five years ago to improve his teaching and then used it again recently to determine whether he'd made progress in those areas he was told he could improve.

Animal Science Professor Mick Price was one of the first University professors to use the service in the mid-80s. "I found it very useful and recommended the service to others," says Dr Price, who for the first time this year agreed to serve as a peer consultant.

Biological Sciences Professor Ross Hodgetts, another new peer consultant, says it's certainly an interesting process. The program indicates to students that there are processes on campus whereby teaching can be improved. Dr Hodgetts, who will interact with a client in November, points out that the program also allows faculty, who may be from different Faculties, to be exposed to fresh perspectives on teaching and to learn from one another.

Other first-time peer consultants are: Peter Apedaile (Rural Economy), Catherine Bell (Law), Joe Buijs (St. Joseph's College), Terry Davis (Nursing), Lorene Everett-Turner (Elementary Education), Richard Field (Organizational Analysis), Brian Fisher (Physical Education and Sport Studies), David Millar (Faculté Saint-Jean), JoAnne Olson (Nursing), Marsha Padfield (Physical Education and Sport Studies), Frank Robinson (Animal Science), Sandy Robinson (Electrical Engineering), Michael Roeder (Music), and Bruce Ziff (Law). There are 11 other active peer consultants and five inactive peer consultants.

SIMBAD sails onto commercial waters

Five companies buy microelectronics software program

By Michael Robb

Many of James Bond's electronic toys are pretty tiny. After all, they have to fit in the heel of his shoe. And it seems they just keep getting smaller and faster.

That's certainly the trend in microelectronics, Steven Dew (Electrical Engineering) confirms. But there's a big problem associated with developing these ever-smaller gadgets: it becomes more and more expensive to develop the technology to build them.

James Bond may not care, but the industry does.

"Currently, a state-of-the-art piece of microelectronics equipment is going to cost in the order of \$1 billion to develop," Dr Dew explains. "So, in order to decrease the costs and accelerate the development time, the industry is looking more and more to simulations in order to get at least some of its answers, to find out, for example, where there are going to be problems in fine-tuning manufacturing processes." That's the niche Dr Dew's microelectronics process simulator, a software program called SIMBAD, fills.

The Canadian Microelectronics Corporation recognized that work this year by awarding Dr Dew its prestigious Douglas R. Colton Medal for Research Excellence.

The software program has caught the attention of the microelectronics industry. A Korean semi-conductor manufacturer recently used the simulator to evaluate a new manufacturing process. The company determined that the process would be a waste of time and money under existing conditions. In the end, the company saved itself a lot of money in up-front developmental costs.

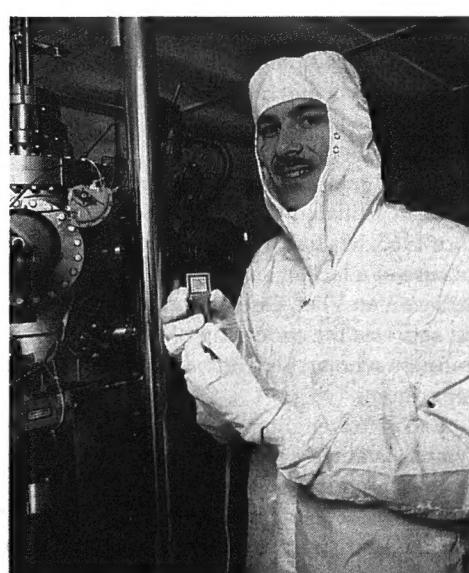
So far, five companies have purchased the software, representing about \$150,000 in sales for the Alberta Microelectronic Centre. Negotiations are also under way with Northern Telecom.

As well as predicting whether new microelectronics manufacturing processes will work, the software program is being used to improve existing manufacturing processes. Typically, Mr Bond's toys—as well as your daughter's walkman—rely on tiny circuits to function. Layer upon layer of materials are stacked on one another by various manufacturing processes. Integrated circuits have insulating, conducting and barrier layers, Dr Dew explains. "On top of a layer of silicon, where transistors are found, there might be 20 different layers."

The deposition of those layers is not on flat substrates. Little holes have to be 'drilled' to connect transistors in various different arrangements in order to create circuits. Filling those holes is a difficult problem, he says.

"SIMBAD is able to tell us how much material is in critical areas, so we know how much resistance is in the circuit and whether or not there are areas where the coating is so thin reliability is threatened. The software can actually predict tiny cracks in the layers."

"One of the biggest problems associated with extending the current technology to smaller dimensions is reliability. The chips wear out, typically because the coating is too thin."



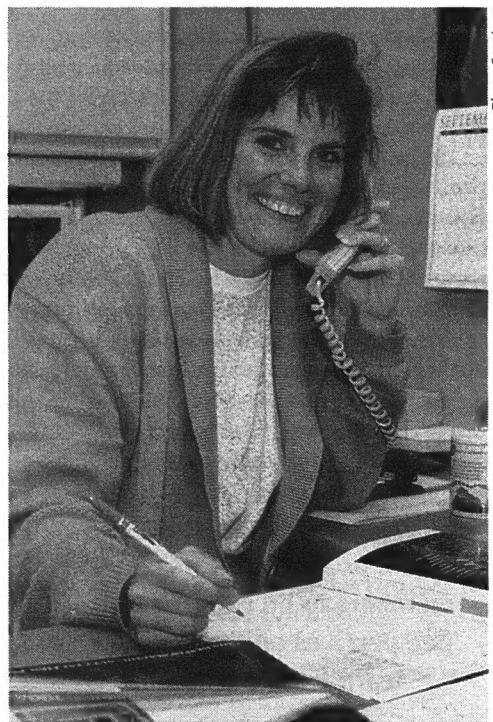
Electrical engineer Steven Dew

No other simulator of its kind is able to provide the kind of detailed information of the internal structure—the so-called microstructure of the film—that SIMBAD can. Manufacturers can then use that information to refine their manufacturing processes.

Although the software program is in its commercial infancy (it's been on the market for six months), Dr Dew and co-researchers Michael Brett (Electrical Engineering) and Carleton University electronics engineering professor Tom Smy will be attempting to keep pace with an industry that measures change in terms of days: they'll be providing software updates and new features.

Telephone sales with a difference

By Janet Resta



Wendy Abel is well versed in the art of the deal.

Running low on flasks and beakers? Time to stock up on snake venom and radioactive isotopes? Wendy Abel can make you a deal.

Wendy's job as one of the University's 11 buyers is to shop around for the best prices and services in scientific research products. The requests she receives from U of A labs and researchers account for approximately \$5 million of the \$100 million worth of purchase orders that flow through the department each year.

In her eight years with Materials Management, Wendy has had to develop a specialized knowledge of scientific supplies and services. Aided by countless catalogues, brochures and contacts, she tracks down everything from the most common household substances to such rarities as stable isotope oxygen 18. In fact, the latter is so rare that potential buyers are put on a one-year waiting list to make a purchase. When purchases of unstable or controlled substances are made, Wendy must also ensure that all the necessary paperwork regarding transport has been completed.

Wendy points out that buying is an increasingly formalized and specialized trade. All purchasers must follow a Buyers Code of Ethics that ensures impartiality, confidentiality and professional courtesy. The Edmonton native is also working part-time towards a Professional Buyers Certification in order to further hone her skills and improve her own marketability.

Wendy spends a good part of her day on the phone placing orders and tracking down deals, so it's of little surprise that she elects to spend her off-hours away from shopping malls and telephones. In fact, she admits that she cringes at the sound of her home phone and puts off shopping expeditions until the last possible minute.

The NAIT graduate is an avid member of the Edmonton District Soccer Association and prefers to spend her leisure time playing mid-field for the Angels Alumni Team, sharpening her golf game or cross-country skiing. She also enjoys spending time at home with her husband, Tom. In the summer months, when she's not on the soccer pitch, Wendy avoids the telephone by tending her garden of irises and lilies.

Series is music to department's ears

By Elsa Roehr

The Department of Music is offering its first ever subscription concert series. *Music at Convocation Hall* will offer performances by the department's accomplished faculty along with concerts featuring distinguished visiting artists. The series will be crowned by a Student Gala that will highlight the best graduation recitals.

Each of the faculty recitals will be hosted by a media personality; the first by Fil Fraser for pianist Stéphane Lemelin, who will perform works by Berg, Schumann and Schubert. That concert will be on 17 September. Pre-concert introductions will describe the works that will be played.

The annual Nicholas Arthur Kilburn Memorial Concert, this year with world-renowned oboist Heinz Hollinger and harpist Ursula Holliger, is part of the subscription series. So is this year's TriBACH concert, which will feature Swedish choral director Eric Ericson with the Madrigal Singers, Concert Choir, and ProCoro, a community choir. The TriBACH concert will be held at All Saints' Anglican Cathedral, the only concert in the series slated for an off-campus venue.

CBC FM radio will feature selected concerts on both its regional and national programs.

The concert series has two goals. The first is to build awareness of the concert activities of the Department of Music and the beautiful hall in which they take place.

The second goal is to support a proposed new Convocation Hall Scholarship Fund.

"Convocation Hall is one of the best kept secrets of this campus," says Stella Chooi, APO, Department of Music, who helped organize the series. The Hall is part of the historic Arts Building. "It is a real little jewel," she says. "It is so beautiful, and the acoustics are gorgeous."

"It's very intimate," agrees Gladys Odegard, the driving force behind the sub-

"Convocation Hall is one of the best kept secrets of this campus."

Stella Chooi

scription series. She sees the subscription approach as a tool for building community awareness of the Music Department's talent. "We have world-class performers living right here. We think that when the people in Edmonton become more acquainted with the level of performance available here in our city, they will be excited about it and will want to be part of the concerts."

A \$60 adult or \$25 student or senior subscription will deliver all seven faculty recitals, the TriBACH performance, the Kilburn concert and the Student Gala. Tickets are also available for individual performances at \$10 each, \$5 for students or seniors, from the Department of Music and at the door.

LAURELS

■ Two University of Alberta Civil Engineering professors were recognized by their peers at the recent Canadian Society for Civil Engineering meeting. Nallamuthu Rajaratnam was awarded the Camille A Dagenais Award for his outstanding contributions to the development and practice of hydrotechnical engineering in Canada.

James MacGregor received the AB Anderson Award for his "outstanding contributions to the development and practice of structural engineering in Canada."

■ Senator Dan Hays, who earned his BA at the University of Alberta in 1962, was recently named to the presidency of the Liberal Party of Canada.

■ Mathematics Professor Bob Moody recently received the 1994-6 Wigner Medal for work on Affine Lie Algebras that have influenced many areas of theoretical physics. The award is presented by the Group Theory and Fundamental Physics Foundation for outstanding contributions in the mathematical foundations, or in applications, of group theoretical methods to physics. He shares the award with an MIT mathematics professor, V Kac.

■ The Toronto Dominion Bank, Cook Duke Cox Barristers and Solicitors, and Coopers Lybrand Chartered Accountants deserve credit for giving the registration fees (\$3,000) from a conference they sponsored in May to the School of Native Studies. The conference offered business and financial management training to aboriginal groups.

Houselighters gone but not forgotten

Endow scholarships for drama students

By Ron Thomas

The Houselighters have disbanded, but they will be remembered fondly by, among others, the University of Alberta's Department of Drama.

The 80-member volunteer group, which has been affiliated with the Citadel Theatre since 1965, has had to bring down the curtain because of a lack of support, said President Barbara Van Vliet. One of the Houselighters last acts was the endowing of two undergraduate scholarships on behalf of the Drama Department.

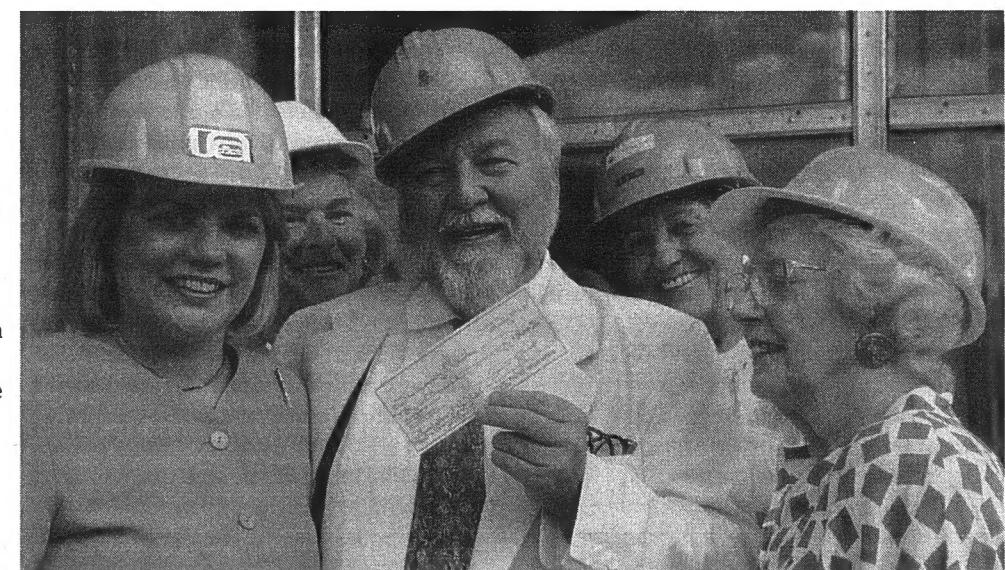
Each Houselighter of the Citadel Theatre Award is valued at \$1,250.

Funding for the new scholarships as well as for other scholarships given by the group over the years was raised primarily through bingos and casinos, Van Vliet said.

Over the years, she pointed out, the Houselighters have sold subscriptions, collected props, provided meals for stage crews, and raised funds, the most noteworthy example being the sales of signature bricks, a venture that garnered more than \$100,000 for the building of the new Citadel Theatre.

In 1975, the Houselighters realigned their focus by establishing scholarship funds, Van Vliet said. Since then, more than 75 scholarships have been awarded to drama students at the U of A and various other postsecondary institutions in the province.

"The scholarships obviously come at a time of expanding student costs and are enormously important to us," said David Barnet, Chair of Drama. All undergraduate drama students are eligible, not just acting



Tom Peacocke seems to be saying "Land in convivial company and get funding in support of talented students and you'd wear your hard hat at a jaunty angle too." Circling the Professor of Drama are, from left, former Houselighters Barbara Van Vliet, Jean Burrows, Alison Singer-Graham and Mary Middleditch.

students, he pointed out.

Tom Peacocke, Coordinator of the BFA Acting Program, said, "The continued support of the Houselighters over the years has been an important contribution to the recruitment of our students and to the sustained standards of the programs."

Former students who have been awarded scholarships by the Houselighters include Doug Paraschuk, Design Associate at Stratford; playwright David Belke, whose "April in Peril" was a hit at this year's Fringe; Kate Newby, who was Roxanne in the Citadel's recent production of "Cyrano

de Bergerac;" and Juan Chioran, who is understudying the lead in "Kiss of the Spider Woman" in New York.

The department, in cooperation with the Faculty of Arts, will choose the first recipients next spring. The awards, which will be made next September, will go to two Alberta residents entering their third year of studies. Other bases for the awards are: satisfactory academic standing, and proficiency in drama and demonstrated potential to excel in the field. Preference will be given to students in financial need.

In this, the first of a three-part series, Folio looks at the public face of the Timms Centre. In part two next week, we will explore what the Centre means to the students and to a University of Alberta education in theatre. In part three, we will examine how we came to acquire and plan to operate this unique building in a time of economic restraint.

First look at new Drama star

By Elsa Roehr

A new star will soon be shining in the Department of Drama. VIPs and the curious are being introduced, and plans are under way for a glittering gala debut.

The star, of course, is the Timms Centre for the Arts. The theatre and education centre is an exciting addition to the Drama Department, the whole campus, and to the Edmonton theatre community.

Uniquely designed to meet the multiple needs of both the department and the public, the Timms Centre will be a grand entrance to both the campus and the Fine Arts Building. The split face concrete block finish delivers the look of expensive stone, and the curved glass-enclosed lobby and reception area adds elegance. Taking shape around the building is a landscaped plaza in which the pyramid structures that help ventilate the underground parkade will look almost like sculpture.

From inside, the glass wall creates a feeling of being part of the campus. The lobby can easily accommodate the theatre's seating capacity of 290 for opening night receptions, and a small informal playing area on the main staircase will serve for presentations and speech-making. A food preparation and refreshment bar area complete the venue.

Tucked away at the top of the stairs, lobby overflow makes an 18-seat meeting/seminar/private reception space that enjoys a view of the plaza, while the lobby mezzanine leads to the main theatre entrance. Inside, the wide, high backed seats mean greater comfort during longer performances, and they are spaced so people won't have to get up to let others by. Selected seats can be removed to place a mixing board for musicals. The entire facility has been made wheelchair accessible.

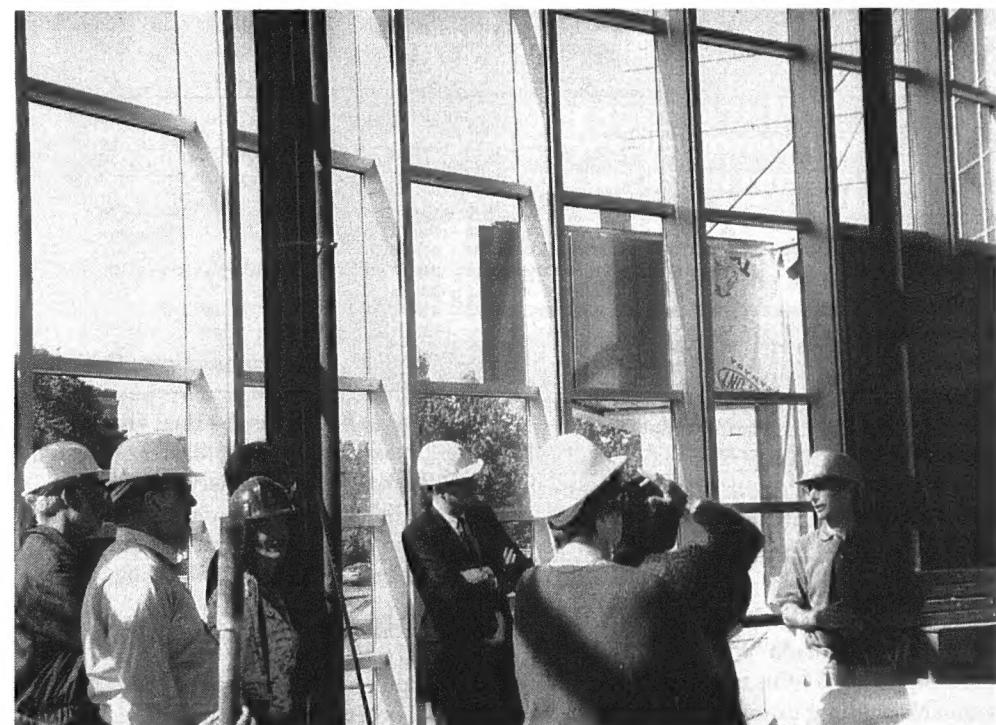
The stage has a fully rigged fly tower for flying scenery, and a trapped deck to accommodate elevators, stairs and vanishing effects. Designed into the front of the stage is an orchestra pit which, in its raised position, also serves to extend the depth of the playing area. When flush with the auditorium floor, it can raise seating capacity to 332. Double outside walls help insulate performers and audience from noise from the Municipal Airport flight path.

Curved side walls and a network of catwalks above the theatre provide positions to light the stage and have been treated to acoustically enhance the space.

Connected to the main lobby and foyer is a second playing area. The room is big and boxy like a high school gym, but similarities end there. Because the open architecture has no permanent stage, it offers unlimited options for staging and seating for up to 100. The extra high walls are specially constructed to eliminate echo and offer possibilities for hanging scenery. "User-friendly" catwalks for theatre lighting, scenery, and drapery in almost any configuration make it ideal for experimental theatre, faculty research and graduate student productions.

The Timms Centre is a jewel in Canadian postsecondary drama education, offering students the chance to display their developing talents to the public in an exciting, professional venue. It also fills a gap in Edmonton's theatre community, which lacked a modern venue of Timms' size. The potential to rent the facility is exceptional ... but that will be covered in the third story in this series.

Next week, *Folio* looks at the Timms Centre from a learning perspective.



Construction of the Timms Centre for the Arts continues apace

NEW BIKE PATHWAY INSTALLED

A new bike pathway has been constructed to provide alternative access through the south campus. The pathway routes cyclists east of the Aberhart Centre between 115 Street and University Avenue to the south and existing internal roadways and paths to the north.

Over the past several years, concerns have been raised about the safety of Mewburn Veterans Centre patients, staff and pedestrians in view of the narrow access between the Aberhart Centre and the Mewburn Veterans Centre. To reduce congestion and conflict, representatives of the south campus agencies, bicycle commuters and neighbouring communities decided to construct a temporary bicycle facility. Since the primary concern is for the safety of patients, the bikeway is viewed as a temporary solution until the Mewburn Veterans Centre becomes obsolete and planned roadway improvements are made to realign access to University Avenue.

Cyclists are asked to help improve the safety of all concerned by using the new bike pathway.

Share the University roadways

By Randy Stallknecht (Campus Security Services)

Under all provincial Highway Traffic Acts the bicycle is now recognized as a "vehicle". In the *Alberta Highway Traffic Act*, Part 5, Section 144 states "... a person operating a bicycle or motorcycle on a highway a) has all the rights, and b) is subject to all the duties, of a driver under Part 3." Part 3 deals with the "Rules of the Road" (speed, driving on the right side of the roadway, yielding and stopping, turns, etc). Many cyclists, despite their normal pattern of lawful conduct, habitually violate traffic laws. The reasons for these violations are as varied as the individual cyclists themselves. They range from the deliberate attempt to "get away with it" to the "it doesn't apply to me" attitude to "I didn't know I couldn't do that."

Traffic laws are enacted to discourage certain types of behaviour or conditions which give rise to accidents, inconveniences, or congestion. Disregard for traffic laws represents an immediate threat to the health and safety of the entire community. The average

person does not realize that many cyclists travel at speeds of 30 kph or more. Imagine the impact force between a cyclist doing 30 kph and a pedestrian or a cyclist and a moving motor vehicle; there is the potential for serious injuries, even fatalities.

What are some of the more flagrant violations cyclists commit while on campus? Failure to stop at stop signs. Operate their bikes the wrong way on a one-way street. Operate at unreasonable rates of speed. Pass on the right side. Failure to yield to pedestrians in crosswalks. The list goes on, but these types of infractions are the ones that can contribute to serious accidents.

Campus Security Services will be conducting periodic traffic enforcement campaigns in addition to on view traffic violations. Traffic enforcement does have some positive and desirable side effects, primarily the impact upon persons other than the violator. It is an educational tool used to

remind others that compliance with the laws is expected from everyone, and it serves as a visible reminder to cyclists and motorists to pay attention to the task of proper vehicle operation.

What can happen to a cyclist or motorist who is operating his vehicle in contravention of traffic regulations? The first thing people must understand is that all members of Campus Security Services are appointed as peace officers under the *Highway Traffic and Motor Vehicle Administration Acts*. All vehicle operators must obey the lawful instructions given by a peace officer. If you are required or signalled to stop, you must do so or face an additional penalty. Once an infraction has been observed, a Campus Security Services officer may take any one of the following actions: 1) issue a verbal or written warning; 2) issue a University Violation Notice (fines vary); or 3) issue a Provincial Summons (fines range from \$50 to \$100).

TALKS

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

19 September, 10 am

Wonhwa Cho, Department of Chemistry, University of Illinois at Chicago, "Molecular Mechanism of Membrane-Protein Interaction in the Interfacial Catalysis of Phospholipase A2." Room 207, Bridge, Heritage Medical Research Centre.

BIOLOGICAL SCIENCES

12 September, 3:30 pm

Mike Dixon, Department of Horticultural Sciences, University of Guelph, "Non-Destructive Plant Sensor Techniques." M-149 Biological Sciences Centre.

CHEMICAL ENGINEERING

22 September, 3:30 pm

S Basu, "Analysis of Coalescence Phenomena for a Model Coalesces." 342 Chemical-Mineral Engineering Building.

GEOLOGY

9 September, 2:30 pm

Edward Sudicky, Waterloo Centre for Groundwater Research, University of

Waterloo, "Contaminant Migration in Complex-Structure Porous and Fractured-Porous Geologic Media: A Simulation Perspective." 1-04 Earth Sciences Building.

PHILOSOPHY

15 September, 3:30 pm

Richard Arneson, University of California at San Diego, "Distributive Justice and Responsibility." 4-29 Humanities Centre.

22 September, 3:30 pm

Bernard Linsky, "Platonism and Naturalism in the Philosophy of Mathematics." 4-29 Humanities Centre.

PHYSICS

FEM (Ted) Lilley, Research School of Earth Sciences, Australia National University, "A Bicentenary in Geomagnetism: The D'Entrecasteaux Expedition 1791-1793." V-129 V Wing.

 This symbol denotes environmentally related seminars/events. If you wish to have an environmentally related event listed in this way, please contact: The Environmental Research and Studies Centre, 492-6659.

EVENTS

EXHIBITIONS

BRUCE PEEL SPECIAL COLLECTIONS

LIBRARY

Until 15 November

"Beyond Words: An Exhibition of Manuscripts and Manuscript Facsimiles." Gallery hours: Monday to Friday, 8:30 am to 4:30 pm. B7 Rutherford South.

CLOTHING AND TEXTILES COLLECTION

Until 18 November

"Made in Canada—Women's Factory Clothing 1935-70"—this museum exhibit of women's clothing examines the history and characteristics of the Canadian garment manufacturing sector with specific reference to the production of women's wear. The exhibit also discusses the nature of Canadian fashion and the possible effects of recent trade agreements upon the garment industry. Hours: Monday to Friday, 8:30 am to 5 pm. Information: Cathy Roy, 492-3826. Basement, Home Economics Building.



National Archives of Canada/PA 190855

MUSIC

DEPARTMENT OF MUSIC

17 September, 7 pm (preconcert introduction and reception); 8 pm (concert)

Stéphane Lemelin, piano. Program will include works by Berg, Schumann and Schubert. Lecturer: Brenda Dalen. Guest host: Fil Fraser, Edmonton writer and broadcaster. Convocation Hall.

THEATRE

STUDIO THEATRE

22 September to 1 October

"The Queens" by Normand Chaurette, translated by Linda Gaboriau, directed by MFA Directing Candidate Brad Moss. This 1993 Chalmer's Award-winning Canadian play is set in London in 1483, during the tumultuous time of Shakespeare's Richard III. Tickets and information: 492-2495. Media Room, 1-63 Fine Arts Building.

The exhibit includes more than 20 photographic images of the Canadian garment industry such as this example from Winnipeg manufacturer Frankroy, Ltd, circa 1961.

ADS

ACCOMMODATIONS FOR RENT

MICHENER PARK - Two bedroom rowhouses and apartments for rent in University residence located in southwest Edmonton. Excellent bus service to University, utilities included. University inquiries welcome, 492-7044.

CENTRAL two bedroom suite near 121 Street 102 Avenue. Fully furnished. Available 1 October - 1 April. \$450/month. Western Relocation, 434-4629.

EXECUTIVE two storey on ravine in Capitol Hill! Unique interior, completely renovated in keeping with the old style. 1 October possession or sooner. \$2,200/month, lease. Western Relocation, 434-4629.

SHERWOOD PARK - Well located in The Park, close to amenities. Three bedrooms on main, two bedroom in-law suite, double garage. \$800/month. Western Relocation, 434-4629.

ST ALBERT - 2,300', completely renovated, former Hillview showhome. Three bedrooms, double attached garage, built-in vac, window coverings, intercom, all appliances. \$1,500/month. 1-2 year lease. Western Relocation, 434-4629.

WEST END, LESSARD - European elegance and Edmonton's colourful river valley. Indoor pool, five bedrooms, double garage. Yearly lease. Please contact Western Relocation, 434-4629.

TERWILLE GAR HEIGHTS - Fully furnished, executive luxury. Three bedrooms upstairs, two bedrooms downstairs. All amenities. \$2,300/month firm. Western Relocation, 434-4629.

MODERN! MILLCREEK! Perfect! Upper floor furnished condo. Southwest exposure, one bedroom, den, jacuzzi tub. Eight month lease, nonsmokers, no pets. \$800/month. Western Relocation, 434-4629.

WEST EDMONTON - Lewis Estates, four bedroom house with appliances and garage, 20 minutes from University. \$950 plus utilities. 487-7512.

FOR LEASE - 15 September 1994, 10545 Sask. Drive, Waterford House condominium, choice third floor location, river view. Two bedrooms, two baths, laundry in suite, five appliances, underground parking. \$825 monthly, references, call 433-1257 evenings.

RENOVATED, EXECUTIVE home, 13308 Buena Vista Road. Close to University, river valley and downtown. Three ensuites, \$1,300/month. 423-6668.

SEMI-FURNISHED room for rent in pleasant family home. One bus to University or parking/plug-in available. Share kitchen, bathroom and laundry. \$280/month, utilities included. Two available. Phone Betty, 454-2419.

COURTYARD of Riverbend, luxury townhomes. Fireplace, double attached garage, full basement, rents from \$995. Phone 430-6381.

STRATHCONA - three bedroom main floor. Hardwood. Utilities included. Nonsmokers, \$695. 434-6287.

THREE BEDROOM house, 3.5 km south of University on bicycle route. No garage, one car parking on street. \$700 plus utilities, available 1 October. Information at 434-6791.

SOUTHGATE - Fully furnished, three bedroom townhouse, 1 1/2 baths, free cable. 20 October - 1 April. \$495. 435-0185.

CHARMING CAPE COD character home surrounded by trees. Located on a quiet street, walking distance to University/hospital. Ext. renovations including new

kitchen, refinished hardwood floors, main floor family room, two fireplaces. Diane Mageau, Spencer Real Estate, 483-7170 business, 483-0927 residence.

TWO BEDROOMS, five appliances. 433-5674.

ONE BEDROOM basement suite. 1 October, near University. Semi/unfurnished. \$400 includes washer/dryer, microwave, cable. Nonsmokers, no pets. 439-9748.

TWO BEDROOM half-duplex in Old Strathcona. Newly renovated, parking included, walk to University. Very quiet, adults only, nonsmokers, no pets. Monthly rent \$400 single, \$500 double, utilities extra. Georgina, 433-1479.

LEASE - House in Brookview. Three bedrooms, 2 1/2 bathrooms, 1 1/2 storey. Bright, open home. Nonsmokers. \$1,350, references required. 988-9160.

BELGRAVIA, fully furnished, three bedroom family home with study. Fifteen-minute walk University, near schools, church. Double garage. Available now for up to six months/one year. \$900/month plus utilities. 436-9701.

LUXURY HIGHRISE one bedroom condo on Saskatchewan Drive. Spacious, fully furnished, underground parking and amenities. Available immediately - 31 December 1994, possible extension. Ideal for visiting scientist. Call 432-7854 after 5 pm weekdays.

LARGE, furnished bachelor, full bath, utilities, washer, fireplace, parking, ravine, express bus. Nonsmokers, references. \$350. 438-0883.

ACCOMMODATIONS FOR SALE

VICTORIA PROPERTIES - Knowledgeable, trustworthy realtor with Edmonton references will answer all queries, send information, no cost/obligation. "Hassle-free" property management provided. (604) 595-3200, Lois Dutton, Re/Max ports west, Victoria, B.C.

RETIREMENT PLANS? Sunny Kelowna, spectacular lake view from two decks, no maintenance, deluxe condo. Sandy Beach. Golf. By owner. (604) 764-7194.

"STATE-OF-THE-ART" executive river valley condo. Two bedrooms plus den. Very special features. Janet Jenner Fraser, Spencer, 435-0808.

BELGRAVIA - Lovely two bedroom bungalow, family room, deluxe garage, spa and bathroom, \$161,500. Ed Lastiwka, Royal LePage, 446-3800.

UNIVERSITY/GARNEAU - Four bedrooms, 2 1/2 storey, much character, great location. \$187,000. Ed Lastiwka, Royal LePage, 446-3800.

UNIVERSITY AVENUE, luxurious, 2,100' half-duplex. Double garage, beautiful condition, many extras. \$225,000, immediate possession. Ed Lastiwka, Royal LePage, 446-3800.

ONE RESIDENTIAL LOT (#816) consisting of approximately one quarter of an acre. Resort consists of 1,100 acres including 18-hole golf course, ocean beach, Beachcomber Hotel. Water, sewer, underground electrical. \$25,000 Canadian. Phone 462-2374.

QUARTER-PLEX, no condo fees. Two storey, three bedrooms. New oak dream kitchen. New basement development, 1 1/2 baths. Two parking stalls. Agnes Fisher, Re/Max Real Estate, 438-1575.

CLARIDGE HOUSE, 11007 87 Avenue, highrise apartment. Air-conditioned, kitchen window. New carpet, good storage, underground parking. \$109,900. Agnes Fisher, Re/Max, 438-1575.

SUPER QUIET location near Southgate. Three bedroom bungalow, two fireplaces, one-year-old solarium, vacant, \$144,500. Raymond Cheng, Re/Max, 498-2930.

LOCKHART GARDENS townhouse in Blue Quill, three bedrooms, 1 1/2 baths, fireplace, excellent bus service, \$89,900. Raymond Cheng, Re/Max, 498-2930.

MCKERNAN - Renovated, two bedroom bungalow. Hardwood floors, quiet cul-de-sac, walk to University, landscaped yard. Must be seen! \$132,000. 11116 75 Avenue. 437-6761.

GAINSBOROUGH, 9th floor residence. Spectacular river valley view. Enclosed balcony, perfect for plants. Impeccable, upgraded building. Private fenced grounds, underground parking. Bus service at door. Must sell. \$109,900. Florence Thompson, Spencer Realty, 435-0808.

COMFORTABLE and charming describes this four plus two bedroom, 1,378' bungalow in Petrolia. Recently painted, hardwood floors, double detached garage. To view, call Karen Anderson, Coldwell Banker/Panda Realty Inc, 468-2100.

BELGRAVIA - Quiet location. Three bedroom, three bathroom home with double garage, fireplace, newer Berber carpets. Four appliances included. Walking distance to the University. Marjorie King, Spencer, 435-0808, 435-0395.

THE OWNERS will consider a car in trade on this two bedroom, two bathroom condo. Newer oak kitchen, upgraded carpet. Near the legislature, handy to the University. Marjorie King, Spencer, 435-0808, 435-0395.

ASPEN GARDENS - Well-maintained bungalow, four plus one bedrooms, fireplace, double garage. Quiet crescent near Whitemud Ravine, schools and bus route. \$151,000 by owner. 435-2253 evenings.

BLUE QUILL - Spacious, one bedroom apartment condo. Top floor, south exposure, view, five appliances. Clean, quiet building. Established condo association. 7.25% for five years. \$58,900. 438-1989.

FEATHER STONE VILLAGE - Lovely condo, top floor, balcony with view, great access to University, \$60,900. Available immediately. Bill Armstrong, Sutton Group, 455-0777.

GRANDVIEW, park-like setting. 1,550', three bedroom, two bathroom bungalow. 26 foot living/dining room, fieldstone fireplace. 25' kitchen, carpeted basement with wet bar, study, roughed-in plumbing for bathroom. Insulation R19. Double garage.

Children automatically admitted to Grandview School. 436-3920.

MALMO - two splits, one backing onto park, new kitchen, four bedrooms, \$134,900, also six bedroom, 2 1/2 baths, 2,300' three levels, new shingles. Nancy Steen, Re/Max 426-4461, 433-6326.

CLARIDGE HOUSE CONDOS - near University, two bedrooms, two baths, upgraded to the nines. \$134,900, and 1,435', two bedrooms, two baths, two underground stalls, \$139,900. Nancy Steen, Re/Max, 426-4461, 433-6326.

ACCOMMODATIONS WANTED

HOUSESITTER - Mature grad, non-smoker, pets okay, references. Mark, 455-4351.

GOODS FOR SALE

CASH PAID FOR APPLIANCES - 432-0272.

PIANO: Armand - Heintzman upright piano, \$1,100. 439-9748.

CASH PAID for quality books. The Edmonton Book Store, 433-1781.

GRAND PIANO. 5' 9", black. Excellent condition. \$7,200. 455-4723.

SERVICES

DONNIC WORD PROCESSING - Since 1978, specializing in theses, manuscripts and editing. 453-2769.

DAVID RICHARDS CARPENTRY - Certified journeyman NAIT. Complete interior/exterior residential and commercial renovations including plumbing/electrical. References available. 436-6363.

MARK EHRMAN CABINET SERVICES - Custom designs or made to match existing. References available. 463-0889.

HOME CLEANING - Hardworking, bonded staff. Reasonable rates. Able Maids, 440-0993.

ILLUSTRATION SERVICES - Scientific, educational, medical, humour. Dr Julia Keenliside, 440-4342.

BACK BASICS REMEDIAL THERAPY - Supplementary health care coverage. 436-8059.

MIKE REININGER RENOVATIONS - Maintenance and handyman services. Five years' experience. 429-0244.

LEARN THE INTERNET: Personalized instruction on accessing valuable Internet resources specific to your field. No technojargon. Chris Hammond-Thrasher, 433-3677.

THESES TYPING and editing. Fifteen years' experience. Call Chris, 435-1020, E-mail, Cblock@vm.ucs.

EDMONTON'S OLDEST parent cooperative nursery school, "Springhill" is accepting registration for its 2-, 3-, 4-year old classes in Garneau School (109 Street 87 Avenue). Springhill offers a happy "learning through play environment". Large classrooms, excellent teacher. Contact Mary Gordon, 431-0485.

DATABASE SEARCHER - You Internet, I'll search. Library, diploma, translation. Phone 433-0445.

TECH VERBATIM Word Processing. Résumés, theses, medical terminology. Donna, 440-3714.

MISCELLANEOUS

LUXURIOUS OFFICE SPACE and board room for rent, prime downtown location. Secretarial services optional. Please call 488-7425.

HOUSESITTER WANTED, mid-December to mid-February. Lovely home in North Glenora (5 km from campus) in exchange for care of two small dogs. 454-7581.



Faculty of Extension
University of Alberta

Opera in San Francisco December 8-11, 1994

Includes:

Gaetano Donizetti's *Lucia di Lammermoor*, Arrigo Boito's *Mefistofele*, and Giuseppe Verdi's *Il Trovatore* with Samuel Ramey, Aprile Millo, Richard Margison, Ruth Ann Swenson, Vladimir Chernov, and Marcello Giordani.

Optional:
Great restaurants, museums, and theatre.

Please call Mr Val Smyth at 492-0166 for information.

Tower on the Park

SPEND A NIGHT NOT A FORTUNE... SPEND A NIGHT NOT A FORTUNE...

HOTEL HOME SUITE HOME

APPROVED UNIVERSITY HOTEL THROUGH THE HOTEL AUTHORIZATION PROGRAM LUXURY APARTMENT HOTEL

FREE - LRT PASS TO THE U OF A
FREE - DELUXE CONTINENTAL BREAKFAST
FREE - UNDERGROUND PARKING
FREE - LOCAL PHONE CALLS
FREE - PASS TO THE KINSMEN SPORTS CENTRE
FREE - 24hr COFFEE SERVICE IN LOBBY

1,2, & 3 BEDROOM SUITES EQUIPPED WITH WASHER/DRYER'S, DISHWASHERS MICROWAVES, COFFEE MAKERS & PRIVATE BALCONIES

488-1626
9715 110th ST.

LET US OFFER AN ALTERNATIVE

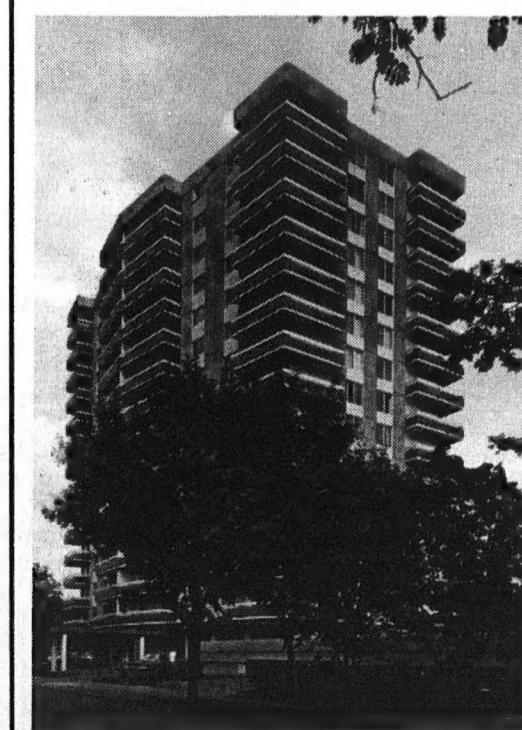
***SUBJECT TO AVAILABILITY**

SPEND A NIGHT NOT A FORTUNE... SPEND A NIGHT NOT A FORTUNE...

ARTranslation Inc.
Translation & Editing Services

Annie Robberecht
Certified Translator (ATIA, STQ)

Tel. 438-6105 Fax 436-9027
Full Editing Services Available in French



Sir John Franklin

Located in the heart
of the University area

1111-87 Avenue

Executive Suite

- 1700 square feet
- Two baths, five appliances
- Teak feature wall/built-in teak wall unit
- Aged brick accents
- Full river valley view from two balconies

For more information call: 433-5937
A Midwest Property Rental

The Wilbur Bowker Visiting Professorship in Law

Lecture

The State of the World and the Role of the United Nations

by William Epstein, O.C., LL.D.

Senior Fellow, United Nations Institute for Training and Research

8:00 pm Wednesday, September 28, 1994

237 Law Centre
University of Alberta

Reception to follow
RSVP to 492-5590 if attending

Catherine M. Fletcher D.D.S.

DENTIST

#980, 8215-112 Street
College Plaza 3
Edmonton, Alberta
T6G 2C8
439-2266

Our hours are:
Monday to Thursday
8:00 am - 4:00 pm

JOIN THE **BALADA!**

Romanian Folk Dance Ensemble

Starting September 8th, BALADA will be inviting new members to join the ensemble for the upcoming season.

BENEFITS:

- Discover the exciting world of Romanian Folk Dance and culture
- Participate in a full professional barre and special character classes with guest instructors
- Learn how to perform distinctive Romanian folk dances
- Enjoy travelling with a small, enthusiastic company

QUALIFICATIONS:

- Those interested in joining must meet BALADA performance standards after an initial probationary period
- Age range is 15 - 35 years

Artistic Director - ANN SMRECIU

For more information call Ann at 461-5950
or BALADA at 440-3008

supporting teaching and research

Graphic Design & Illustration Services

TECHNICAL SERVICES

For more information call 492-3461
4-31 Mechanical Engineering Building

Vanessa Cordery

Learn a language... Become a better writer... Communicate with impact!

This fall choose from a variety of semester-length and short classes offered by the Faculty of Extension's Liberal Studies Program.

Writing: fiction (genre-oriented) and non-fiction, remedial courses, grammar and business writing

Modern Languages: French, Spanish, German, Japanese, Italian, Russian, and Chinese

Humanities and Social Sciences: anthropology, classics, communications, history, linguistics, literature, philosophy and religion, as well as our Humanities Program for more intensive study.

Take advantage of your staff benefits!

Call us to find out how to register using the Human Resource Development Fund (HRDF) or Academic Fee Remission.

For information on registering in Liberal Studies:

Michael at 3033

To receive a free detailed brochure:

Barb at 1218



Faculty of Extension
University of Alberta

50 great reasons to meet you at

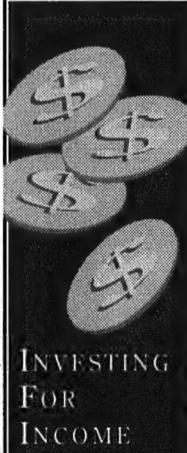


21 great ways to save

Present your bonus savings card to any of the merchants below to take advantage of great savings!

The New Pantry	10% off on Mondays
Patria	10% off daily between 2 - 5 pm
Options Body Care	Buy 3 get 1 free (30 or 60 min. massages)
Sweets & Treats	10% off pop on Fridays
Glam Slam	10% off anytime
Cookies By George	25% off a purchase of 6 or more cookies 12 - 7 pm Fridays
Ho Ho Chinese Foods	Free small pop with \$3.25 purchase on Fridays
Silver & Bead Emporium	10% off on Tuesdays
Jordan Clothing	10% off on Fridays
The Jacket Potato Man	Free tea, coffee or small fountain pop with \$2.95 purchase 2:30 - 4 pm Monday - Friday
The Bottleneck	10% off meal purchases 2 - 5 pm Monday - Friday
HUB Flowers	10% off on Tuesdays
Galatea Galleries	10% off on Tuesdays and Thursdays
Academy Pizza	Free coffee with regular meal purchase
Hub Photo	10% off all film on Wednesdays
A & W	Free coffee with every \$3.00 purchase on Saturdays and Sundays
La Pasta	10% off on pasta meals on Mondays
The Stylistics	15% off on hair cuts only on Fridays
Taco Time	Free regular Coke with super soft taco and mexi fries on Tuesdays
Louie's Submarine	Free 8 oz. coffee with reg. (12") sub purchase on Saturdays and Sundays

Your Bonus Savings card may be picked up at participating HUB merchants.



INVESTING
FOR
INCOME

IF YOU'RE CONFUSED ABOUT THE RELATIVE MERITS OF THE MANY ALTERNATIVE INCOME INVESTMENTS YOU ARE NOT ALONE.

Now, ScotiaMcLeod has prepared a brief, easy-to-read booklet which is designed to strip away the mystery and confusion. It deals with secure investment income and the relative tax treatment of these various types of investments.

FREE BOOKLET

This booklet deals with:

- Interest Income
- Dividends
- Treasury Bills
- G.I.C.s
- Mutual Funds
- Canada Savings Bonds
- Term Deposits
- Bonds and Debentures

For your complimentary copy, call
Sylvia Haak

**497-3222 or
1-800-661-7137** Toll-Free

ScotiaMcLeod
Trusted Investment Advice Since 1921



CAMPUS TOWER SUITE HOTEL



In the **of the University**

of Alberta Campus across from the University Hospital, a warm fire is burning. Campus Tower's contemporary atmosphere provides quiet ambience on a daily, weekly, or monthly basis.

Campus Tower is definitely the only place to stay in the University area!

Amenities

- bachelor, one and two bedroom suites
- fully equipped kitchens • exercise room • meeting rooms • restaurant • complimentary parking • weekend shuttle service to West Edmonton Mall

University Rates

\$62.00 per day on a daily basis
\$60.00 per day on a weekly basis
\$50.00 per day on a monthly basis

for a one bedroom suite
rates are subject to change

Reservations
Phone (403) 439-6060

CAMPUS TOWER
11145-87 Avenue
Edmonton, Alberta
T6G 0Y1

FRENCH CLASSES

Evening classes

Mon. & Wed.: 6:30 - 8:30 p.m.
September 21 - December 5, 1994
\$150.00 (40 h.) All levels

Saturday morning

10:30 a.m. - 1:30 p.m.
September 24 - December 3, 1994
\$120.00 (30 h.) All levels

Conversation avancée

le mardi de 18h 30 à 20h30
27 septembre - 29 novembre 1994
\$100.00 (20 h.) 4-8 étudiants max.

Civilisation française

le mardi de 18h 30 à 20h30
27 septembre - 29 novembre 1994
\$100.00 (20 h.) 4-8 étudiants max.

Drop-in conversation

Thursdays from 19:00 p.m.

Alliance française
300, 10318 - 82 Avenue
4 3 3 - 0 6 7 1



Please
recycle this paper